

NASA Technical Memorandum 74050

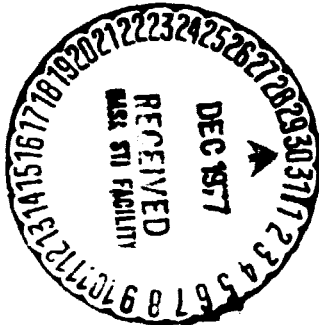
SUBSONIC LONGITUDINAL AND LATERAL DIRECTIONAL STATIC
STABILITY CHARACTERISTICS OF A VARIABLE SWEEP FIGHTER
CONFIGURATION EMPLOYING VARIOUS CONTROL SURFACE DEFLECTIONS
AT ANGLES OF ATTACK OF 0° TO 50° AND LARGE SIDESLIP ANGLES

(NASA-TM-74050) SUBSONIC LONGITUDINAL AND LATERAL DIRECTIONAL STATIC STABILITY CHARACTERISTICS OF A VARIABLE SWEEP FIGHTER CONFIGURATION EMPLOYING VARIOUS CONTROL SURFACE DEFLECTIONS AT ANGLES OF ATTACK OF 0° TO 50° AND LARGE SIDESLIP ANGLES

N78-13010
HC A11/MFA01
Unclas
55173

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NOVEMBER 1977



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ABSTRACT

A variable sweep fighter configuration with the wing in the 22° sweep position having leading edge slats and trailing edge flaps on the outboard panels was tested at a Mach number of 0.15. The angle of attack range was 0° to 50° and the sideslip angle range was -20° to 20° . Pitch, roll, and yaw control effectiveness were studied as well as the effects of spoilers. The data are presented without analysis in order to expedite publication.

INTRODUCTION

To support research being performed in the Langley differential maneuvering simulator, for a number of years NASA has conducted extensive experimental studies of selected configurations over both a large angle of attack range and a large sideslip angle range. These studies provide realistic stability and control data for a large matrix of test conditions. In addition to providing simulator inputs, these data are used in research into the design of aircraft stability augmentation systems.

The present study adds a variable sweep fighter configuration to this data base. The study was conducted in the Langley 7- by 10-foot high speed tunnel at a Mach number of 0.15. The angle of attack range was from 0° to 50° and the sideslip angle range was from -20° to 20° . Pitch, roll, and yaw control effectiveness were studied as well as the effects of spoilers for the configuration with the wing in the 22° sweep position having leading edge slats and trailing edge flaps on the outboard panels. The data are presented without analysis in order to expedite publication.

SYMBOLS

The International System of Units, with the U.S. Customary Units presented in parenthesis, is used for the physical quantities in this report. (See reference 1.). Measurements and calculations were made in the U.S. Customary Units. The data presented in this report are referred to both the body axis and stability axis systems.

The reference center for moments is shown in Figure 1. The reference dimensions are based on the wing in the 20° sweep reference position.

Symbols in parenthesis are used in Table II.

b	wing reference span, 1.222 m (48.1 inches)
$\bar{c}$	wing reference chord, .1867 m (7.351 inches)
$C_L(CL(SA))$	lift coefficient, $\frac{\text{Lift}}{qS}$
$C_D(CL(SA))$	drag coefficient, $\frac{\text{Drag}}{qS}$
$C_m(CPM(SA))$	pitching moment coefficient in stability axis system, $\frac{\text{Pitching Moment}}{qS\bar{c}}$
$(CPM(BA))$	pitching moment coefficient in body axis system, $\frac{\text{Pitching Moment}}{qS\bar{c}}$
$C_l(CRM(SA))$	rolling moment coefficient in stability axis system, $\frac{\text{Rolling moment}}{qSb}$
$(CRM(BA))$	rolling moment coefficient in body axis system, $\frac{\text{Rolling moment}}{qSb}$

$C_n(CYM(SA))$	yawing moment coefficient in stability axis system, $\frac{\text{Yawing moment}}{qSb}$
$(CYM(BA))$	yawing moment coefficient in body axis system, $\frac{\text{Yawing moment}}{qSb}$
$C_Y(CSF(SA))$	side force coefficient in stability axis system, $\frac{\text{Side Force}}{qS}$
$(CSF(BA))$	side force coefficient, in body axis system, $\frac{\text{Side Force}}{qS}$
$M(MACH)$	free stream Mach number
$q(Q)$	free stream dynamic pressure, Pa (lb/ft ²)
S	wing reference area, .2050 m ²
(TP)	(2.207 ft ²) test point number
$\alpha(ALPHA)$	angle of attack, degrees
$\beta(BETA)$	angle of sideslip, degrees
δ_a	effective aileron angle, $\delta_a = \frac{\delta_{S_R} - \delta_{S_L}}{2}$, degrees
δ_f	wing trailing edge flap angle, degrees, positive angle is trailing edge down
δ_h	effective horizontal tail deflection angle, $\delta_h = \frac{\delta_{S_R} + \delta_{S_L}}{2}$, degrees
δ_r	rudder deflection angle, degrees, positive is trailing edge left
δ_{S_L}	left horizontal stabilizer deflection angle, degrees, positive is trailing edge down

δ_{S_R}	right horizontal stabilizer deflection angle, degrees, positive is trailing edge down
δ_{Slat}	wing leading edge slat deflection angle, degrees, positive is leading edge down
δ_{SP_1}	deflection angle of spoiler segment 1, degrees, negative is trailing edge up
δ_{SP_2}	deflection angle of spoiler segment 2, degrees, negative is trailing edge up
δ_{SP_3}	deflection angle of spoiler segment 3, degrees, negative is trailing edge up
δ_{SP_4}	deflection angle of spoiler segment 4, degrees, negative is trailing edge up
Λ_L	sweep angle of left outboard wing panel, degrees, positive is leading edge aft
Λ_r	sweep angle of right outboard wing panel, degrees, positive is leading edge aft

DESCRIPTION OF MODEL

Drawings of the 1/16-scale variable sweep fighter model of the present study are presented in Figure 1. Photographs of the model installed in the Langley 7- by 10-foot high speed tunnel are presented in Figure 2. The basic model consisted of a fuselage with flow through engine nacelles, a variable sweep wing in the 22° sweep position with full span slats on the outboard panels deflected 8.5° and trailing edge flaps deflected 10° , twin vertical tails, and fully moveable horizontal stabilizers. The model was provided with control surfaces for pitch, roll, and yaw control as well as spoilers.

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APPARATUS, TESTS, AND CORRECTIONS

The investigation was conducted in the Langley 7- by 10-foot high speed tunnel. (See reference 2) Forces and moments were measured on a six component strain gage balance mounted internally in the model. The test was run at a Mach number of 0.15 corresponding to a Reynolds number of 0.61×10^6 based on the wing reference chord. The model was tested over an angle of attack range of 0° to 50° and an angle of sideslip range of -20° to 20° . The angles of attack and sideslip have been corrected for the effects of sting and balance bending underload. It should be noted that the sting support system which permits testing over this large angle range is designed specifically for stability testing. The drag data obtained on a model mounted on this sting system is not suitable for performance analysis.

Jet boundary and blockage corrections have been applied to the data based on references 3 and 4 respectively. The drag measurements were adjusted to a condition of free stream static pressure acting over the base of the model. Transition strips 0.3 cm in width of No. 80 Carborundum grains were placed 2.54 cm streamwise aft of the leading edge of the wing, vertical tail, ventral fin, and horizontal tail. A transition strip 0.3 cm in width of No. 90 Carborundum grains was placed 3.81 cm streamwise aft of the nose of the fuselage. (See reference 5.)

PRESENTATION OF RESULTS

The results are presented without analysis in order to expedite publication. Figure 3 presents surface oil flow photographs.

The stability axis longitudinal and lateral-directional aerodynamic characteristics at a sideslip angle of 0° are presented in the following figures:

	Figures
Effect of pitch control	4
Effect of roll control	5-7
Effect of yaw control	8-13
Effect of wing slat and flap	14-15
Effect of spoilers	16-20
Effect of Asymmetric wing sweep	21-22

The stability axis lateral-directional aerodynamic characteristics, as a function of sideslip angle, are presented for each configuration tested in Figures 23-45.

The run schedule is presented in Table I. The stability axis and body axis aerodynamic coefficients are presented in Table II.

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REFERENCES

1. Mechtly, E. A.: The International System of Units. NASA SP-7012, 1964.
2. Fox, Charles H. Jr., and Huffman, Jarrett K.: Calibration and Test Capabilities of the Langley 7- by 10-foot High Speed Tunnel. NASA TM X-74027, 1977.
3. Gillis, Clarence L.; Polhamus, Edward C., and Gray, Joseph L. Jr.: Charts for Determining Jet-Boundary Corrections for Complete Models in 7- by 10-foot Closed Rectangular Wind Tunnels. NACA WR-L-123, 1945.
4. Herriott, John G.: Blockage Corrections for Three-Dimensional-Flow Closed-Throat Wind Tunnels, with Consideration of the Effect of Compressibility. NACA Report 995, 1950.
5. Braslow, Albert L.; Hicks, Raymond M.; and Harris, Roy V. Jr.: Use of Grit-Type Boundary-Layer Transition Trips on Wind Tunnel Models. NASA TN D-3579, 1966.

TABLE I.- RUN SCHEDULE.

RUN	Nominal β	δ_{SR}	δ_{SL}	δ_h	δ_a	δ_r	δ_{SP_1}	δ_{SF_2}	δ_{SP_3}	δ_{SP_4}
8	-20	0	0	0	0	0	0	0	0	0
9	0									
10	5									
11	10									
12	20									
13	20									
14	-5									
15	-10									
16	-2									
17	-10									
18	0	-15	-15	-15	0	0	0	0	0	0
19	5									
20	10									
21	20									
22	-2									
23	-5									
24	-10									
25	vary									
26	vary									
27	-20									
28	0	-30	-30	-30	0	0	0	0	0	0
29	5									
30	10									
31	-2									
32	-5									

Comments:

 $\Lambda_L = 22^\circ$, $\Lambda_R = 22^\circ$, $\delta_{slat} = 8.5^\circ$, $\delta_r = 10^\circ$

Repeat of Run 12

 $\alpha = \text{constant}$ $\alpha = \text{constant}$

TABLE I.- CONTINUED.

RUN	Nominal β	δ_{S_R}	δ_{S_L}	δ_h	δ_a	δ_r	δ_{SP_1}	δ_{SP_2}	δ_{SP_3}	δ_{SP_4}
33	-10	-30	-30	-30	0	0	0	0	0	0
34	-20									
35	vary	-15	-15	-15	0	0	0	0	0	0
36	vary									
37	0	5	-5	0	5	0	0	0	0	0
38	5									
39	10									
40	-5									
41	-10									
42	-20									
43	0	-10	-20	-15	5	0	0	0	0	0
44	5									
45	10									
46	-5									
47	-10									
48	-20									
49	0	-20	-30	-25	5	0	0	0	0	0
50	-5									
51	-10									
52	-20									
53	5									
54	10									
55	0	10	-10	0	10	0	0	0	0	0
56	10									
57	10									

Comments:

 α = constant α = constant

TABLE I.- CONTINUED.

RUN	Nominal β	δ_{S_R}	δ_{S_L}	δ_h	δ_a	δ_r	δ_{SP_1}	δ_{SP_2}	δ_{SP_3}	δ_{SP_4}
58	-5	10	-10	0	10	0	0	0	0	0
59	-10									
60	-20									
61	0	-5	-2	-15	10	0	0	0	0	0
62	5									
63	10									
64	-5									
65	-10									
66	-20									
67	0	-25	-25	-25	0	0	0	0	0	0
68	-5									
69	-10									
70	-20									
71	5									
72	10									
73	0	0	0	0	0	-15	0	0	0	0
74	5									
75	10									
76	-5									
77	-10									
78	-20									
79	0	0	0	0	0	-30	0	0	0	0
80	5									
81	10									
82	-5									

Comments:

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TABLE I.- CONTINUED.

RUN	Nominal β	δ_{SR}	δ_{SL}	δ_h	δ_a	δ_r	δ_{SP_1}	δ_{SP_2}	δ_{SP_3}	δ_{SP_4}
83	-10	0	0	0	0	-30	0	0	0	0
84	-20									
85	0	-15	-15	-15	0	-30	0	0	0	0
86	5									
87	10									
88	-5									
89	-10									
90	-20									
91	0	-30	-30	-30	0	-30	0	0	0	0
92	5									
93	10									
94	-5									
95	-10									
96	-20									
97	0	-5	-25	-15	10	-30	0	0	0	0
98	5									
99	10									
100	-5									
101	-10									
102	-20									
103	0	-20	-30	-25	5	-30	0	0	0	0
104	-5									
105	5									
106	0	-10	-20	-15	5	-30	0	0	0	0
107	-5									

Comments:

TABLE I.- CONTINUED.

RUN	Nominal β	δ_{SR}	δ_{SL}	δ_h	δ_a	δ_r	δ_{SP_1}	δ_{SP_2}	δ_{SP_3}	δ_{SP_4}
108	5	-10	-20	-15	5	-30	0	0	0	0
109	0	-15	-15	-15	0	-15	0	0	0	0
110	5									
111	10									
112	-5									
113	-10									
114	-20									
115	0	-30	-30	-30	0	-15	0	0	0	0
116	5									
117	10									
118	-5									
119	-10									
120	-20									
121	0	-5	-25	-15	10	30	0	0	0	0
122	5									
123	10									
124	-5									
125	-10									
126	0	-20	-30	-25	5	30	0	0	0	0
127	5									
128	-5									
129	0	-10	-20	-15	5	30	0	0	0	0
130	-5									
131	5									
132	0	0	0	0	0	0	-55	-55	-55	-55

Comments:

One Piece Spoiler

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TABLE I.- CONCLUDED.

RUN	Nominal β	δ_{CR}	δ_{CL}	δ_h	δ_a	δ_r	δ_{SP_1}	δ_{SP_2}	δ_{SP_3}	δ_{SP_4}
133	0	-5	-25	-15	10	0	-55	-55	-55	-55
134	0	5	-5	0	5		0	0	0	0
135	0									
136	0									
137	0	0	0	0	0	0	0	0	0	0
138	-5									
139	5									
140	0	-30	-30	-30	0	0	0	0	0	0
141	-5									
142	5									
143	0	0	0	0	0	0	-55	-55	-55	-55
144	0						-55	-55	0	0
145	0						0	0	-55	-55
146	0						0	0	0	-55
147	0	-10	10	0	-10	0	-55	-55	-55	-55
148	0						0	0	0	0
149	0						-5	-5	-5	-5
150	0	0	0	0	0	0	-5	-5	-5	-5
151	0						-5	-5	0	0
152	0						0	0	-5	-5
153	0						0	0	0	-5
154	0	0	0	0	0	0	0	0	0	0
155	Vary						0	0	0	0

Comments:

$$\Lambda_L = 22^\circ, \Lambda_R = 22^\circ, \delta_{slat} = 0^\circ, \delta_r = 0^\circ$$

$$\Lambda_L = 22^\circ, \Lambda_R = 68^\circ, \delta_{slat} = 0^\circ, \delta_r = 0^\circ$$

TABLE II. TABULATION OF THE AERODYNAMIC COEFFICIENTS.

			NASA LANGLEY		7 X 10 HIGH SPEED TUNNEL					
TEST	23		RJA	B						
TP	MACH	PA	ALPHA DEG	BETA DEG	CL(SA)	CD(SA)	CPM(SA)	CRM(SA)	CYM(SA)	CSF(SA)
8456	.151	1597.6	1.10	-19.74	.2232	.0539	-.0413	.0037	-.0395	.3628
8457	.149	1566.4	4.19	-20.01	.4868	.0640	-.0596	.0072	-.0415	.3750
8458	.150	1579.3	10.27	-20.38	.9994	.1244	-.0869	.0224	-.0420	.3786
8459	.150	1580.9	16.26	-19.57	1.4112	.3351	-.1286	.0509	-.0229	.3090
8460	.150	1570.3	20.83	-19.90	1.6474	.5618	-.1846	.0443	-.0062	.2689
8461	.150	1576.2	26.39	-20.09	1.7961	.8219	-.2367	.0498	.0001	.2546
8462	.150	1586.7	31.77	-20.25	1.8349	1.0748	-.2569	.0601	.0026	.2884
8463	.149	1557.6	35.39	-20.02	1.8161	1.2440	-.3155	.0607	.0018	.3007
8464	.150	1583.3	39.99	-20.01	1.7594	1.4303	-.3810	.0625	-.0014	.3333
8465	.150	1574.8	44.91	-19.67	1.6876	1.6280	-.4318	.0627	-.0120	.3503
8466	.150	1571.2	46.85	-20.28	1.6413	1.6891	-.4536	.0625	-.0152	.3736
8467	.149	1556.0	1.13	-19.27	.2315	.0461	-.0464	.0038	-.0383	.3449
TEST	23		RJA	B						
TP	MACH	PA	ALPHA DEG	BETA DEG	CNF(BA)	CAF(BA)	CPM(BA)	CRM(BA)	CYM(BA)	CSF(BA)
8456	.151	1597.6	1.10	-19.74	.2242	.0496	-.0413	.0045	-.0395	.3628
8457	.149	1566.4	4.19	-20.01	.4902	.0283	-.0596	.0103	-.0409	.3750
8458	.150	1579.3	10.27	-20.38	1.0056	-.0558	-.0869	.0295	-.0373	.3786
8459	.150	1580.9	16.26	-19.57	1.4485	-.0733	-.1288	.0553	-.0077	.3090
8460	.150	1570.3	20.83	-19.90	1.7395	-.0607	-.1846	.0436	.0100	.2689
8461	.150	1576.2	26.39	-20.09	1.9742	-.0620	-.2367	.0446	.0222	.2546
8462	.150	1586.7	31.77	-20.25	2.1259	-.0522	-.2569	.0497	.0338	.2884
8463	.149	1557.6	35.39	-20.02	2.2009	-.0376	-.3155	.0484	.0366	.3007
8464	.150	1583.3	39.99	-20.01	2.2672	-.0349	-.3880	.0488	.0391	.3333
8465	.150	1574.8	44.91	-19.67	2.3446	-.0386	-.4318	.0529	.0357	.3503
8466	.150	1571.2	46.85	-20.28	2.3548	-.0423	-.4536	.0538	.0352	.3736
8467	.149	1556.0	1.13	-19.27	.2324	.0416	-.0464	.0046	-.0382	.3449

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7 X 10 HIGH SPEED TUNNEL

TEST TP	23 MACH	Q PA	RUN 9 ALPHA DEG	BETA DEG	CL(SA)	CD(SA)	CPM(SA)	CRM(SA)	CYM(SA)	CSF(SA)
8470	.150	1570.0	.16	.00	.2551	.0453	-.0640	-.0011	-.0008	.0008
8471	.150	1582.2	4.94	.02	.7061	.0805	-.0603	-.0029	-.0005	-.0060
8472	.150	1578.7	10.10	.01	1.1341	.1418	-.0744	-.0023	-.0007	-.0029
8473	.151	1587.5	14.78	.02	1.4623	.2950	-.1275	-.0101	-.0022	.0005
8474	.150	1582.9	19.98	.04	1.6361	.5620	-.1632	.0030	-.0005	-.0082
8475	.150	1580.9	25.16	.03	1.8233	.8273	-.2425	.0008	.0002	-.0092
8476	.150	1573.4	29.64	-.01	1.9759	1.1006	-.2949	-.0002	.0002	-.0008
8477	.149	1559.4	35.52	-.04	1.9197	1.3621	-.3783	.0010	.0007	.0009
8478	.150	1570.2	39.74	-.01	1.8264	1.5125	-.4588	-.0037	-.0012	.0211
8479	.150	1572.6	44.56	-.03	1.7479	1.7055	-.5061	.0001	-.0006	.0016
8480	.150	1571.0	49.65	-.08	1.6443	1.9011	-.6211	.0003	-.0002	.0047
8481	.151	1587.7	.16	.00	.2553	.0456	-.0638	-.0005	-.0009	.0052

TEST TP	23 MACH	Q PA	RUN 9 ALPHA DEG	BETA DEG	CNF(BA)	CAF(BA)	CPM(BA)	CRM(BA)	CYM(BA)	CSF(BA)
8470	.150	1570.0	.16	.00	.2553	.0446	-.0640	-.0011	-.0008	.0008
8471	.150	1582.2	4.94	.02	.7105	.0194	-.0603	-.0028	-.0007	-.0060
8472	.150	1578.7	10.10	.01	1.1414	-.0592	-.0744	-.0021	-.0011	-.0029
8473	.151	1587.5	14.78	.02	1.4892	-.0878	-.1275	-.0092	-.0047	.0005
8474	.150	1582.9	19.98	.04	1.7296	-.0308	-.1632	.0030	.0005	-.0082
8475	.150	1580.9	25.16	.03	2.0020	-.0265	-.2425	.0006	.0005	-.0092
8476	.150	1573.4	29.64	-.01	2.2618	-.0203	-.2949	-.0002	.0001	-.0008
8477	.149	1559.4	35.52	-.04	2.3538	-.0066	-.3783	.0004	.0011	.0009
8478	.150	1570.2	39.74	-.01	2.3729	-.0039	-.4588	-.0021	-.0032	.0211
8479	.150	1572.6	44.56	-.03	2.4421	-.0111	-.5081	.0005	-.0004	.0016
8480	.150	1571.0	49.65	-.08	2.5134	-.0223	-.6211	.0003	.0001	.0047
8481	.151	1587.7	.16	.00	.2557	.0449	-.0636	-.0005	-.0009	.0052

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7 X 10 HIGH SPEED TUNNEL

TEST TP	23 MACH	Q PA	RUN ALPHA 10 DEG	BETA DEG	CL(SA)	CO(SA)	CPM(SA)	CRM(SA)	CYM(SA)	CSF(SA)
8482	.150	1581.2	1.31	4.92	.3607	.0773	-.0625	-.0043	.0099	-.0985
8483	.151	1605.5	5.04	4.85	.7267	.0889	-.0649	-.0086	.0095	-.0908
8484	.151	1589.9	9.86	4.79	1.1415	.1452	-.0814	-.0096	.0098	-.0891
8485	.151	1587.5	14.92	5.00	1.4621	.3169	-.1337	-.0270	.0071	-.0805
8486	.150	1577.9	20.09	4.88	1.6565	.5711	-.1523	-.0095	.0060	-.0722
8487	.151	1589.6	24.78	4.98	1.8405	.8182	-.2258	-.0106	.0033	-.0836
8488	.148	1540.9	30.01	4.83	1.9713	1.1123	-.2824	-.0055	-.0017	-.0971
8489	.150	1566.7	34.41	5.19	1.9563	1.3277	-.3603	-.0167	-.0015	-.0972
8490	.150	1580.6	39.26	5.48	1.8266	1.4835	-.4350	-.0143	.0057	-.1141
8491	.150	1571.4	44.26	4.76	1.7674	1.7020	-.4733	-.0173	.0041	-.0843
8492	.150	1584.9	49.89	5.18	1.6574	1.9263	-.6282	-.0147	.0127	-.0830
8493	.150	1580.9	1.51	4.72	.3800	.0700	-.0612	-.0043	.0087	-.0903

TEST TP	23 MACH	Q PA	RUN ALPHA 10 DEG	BETA DEG	CNF(BA)	CAF(BA)	CPM(BA)	CRM(BA)	CYM(BA)	CSF(BA)
8482	.150	1581.2	1.31	4.92	.3624	.0690	-.0625	-.0045	.0099	-.0985
8483	.151	1605.5	5.09	4.85	.7317	.0241	-.0649	-.0094	.0087	-.0908
8484	.151	1589.9	9.86	4.79	1.1495	-.0525	-.0814	-.0111	.0080	-.0891
8485	.151	1587.5	14.92	5.00	1.4944	-.0702	-.1337	-.0279	-.0001	-.0805
8486	.150	1577.9	20.09	4.88	1.7519	-.0327	-.1523	-.0110	.0024	-.0722
8487	.151	1589.6	24.78	4.98	2.0140	-.0286	-.2258	-.0110	-.0015	-.0836
8488	.148	1540.9	30.01	4.83	2.2633	-.0226	-.2824	-.0039	-.0042	-.0971
8489	.150	1566.7	34.41	5.19	2.3643	-.0102	-.3603	-.0129	-.0107	-.0972
8490	.150	1580.6	39.26	5.48	2.3531	-.0073	-.4350	-.0146	-.0046	-.1141
8491	.150	1571.4	44.26	4.76	2.4536	-.0144	-.4733	-.0153	-.0092	-.0843
8492	.150	1584.9	49.89	5.18	2.5411	-.0268	-.6282	-.0191	-.0031	-.0830
8493	.150	1580.9	1.51	4.72	.3817	.0600	-.0612	-.0045	.0086	-.0903

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7 X 10 HIGH SPEED TUNNEL

TEST	23		RUN	11						
TP	MACH	Q PA	ALPHA DEG	BETA DEG	CL(SA)	CD(SA)	CPM(SA)	CRM(SA)	CYM(SA)	CSF(SA)
8494	.150	1578.4	1.51	9.66	.3839	.0738	-.0658	-.0063	.0210	-.1886
8495	.152	1612.7	4.75	10.12	.6723	.0853	-.0684	-.0106	.0222	-.1970
8496	.151	1589.0	10.87	9.42	1.2056	.1599	-.0962	-.0176	.0208	-.1728
8497	.150	1581.8	15.16	9.79	1.4580	.3249	-.1269	-.0366	.0102	-.1446
8498	.150	1566.8	19.62	10.13	1.6441	.5482	-.1398	-.0241	.0092	-.1445
8499	.149	1564.7	24.81	9.99	1.8393	.8140	-.2298	-.0246	.0062	-.1558
8500	.149	1565.7	29.86	10.07	1.9890	1.1100	-.2871	-.0216	.0004	-.1772
8501	.150	1577.5	34.71	10.16	2.0049	1.3611	-.3631	-.0269	-.0003	-.1598
8502	.150	1577.9	39.71	10.19	1.8562	1.5239	-.4293	-.0366	.0050	-.1666
8503	.150	1577.4	44.50	10.37	1.7839	1.7219	-.4390	-.0400	.0098	-.1650
8504	.149	1565.1	49.25	10.36	1.6670	1.8881	-.5859	-.0371	.0107	-.1835
8505	.149	1565.3	1.63	9.87	.3844	.0740	-.0654	-.0066	.0216	-.1949

TEST	23		RUN	11						
TP	MACH	Q PA	ALPHA DEG	BETA DEG	CNF(BA)	CAF(BA)	CPM(BA)	CRM(BA)	CYM(BA)	CSF(BA)
8494	.150	1578.4	1.51	9.66	.3858	.0630	-.0658	-.0069	.0208	-.1886
8495	.152	1612.7	4.75	10.12	.6771	.0293	-.0684	-.0124	.0213	-.1970
8496	.151	1589.0	10.87	9.42	1.2141	-.0704	-.0962	-.0212	.0171	-.1728
8497	.150	1581.8	15.16	9.79	1.4923	-.0677	-.1269	-.0360	.0000	-.1446
8498	.150	1566.8	19.62	10.13	1.7327	-.0356	-.1398	-.0258	.0006	-.1445
8499	.149	1564.7	24.81	9.99	2.0111	-.0331	-.2298	-.0249	-.0047	-.1558
8500	.149	1565.7	29.86	10.07	2.2776	-.0276	-.2871	-.0190	-.0104	-.1772
8501	.150	1577.5	34.71	10.16	2.4231	-.0229	-.3631	-.0219	-.0156	-.1698
8502	.150	1577.9	39.71	10.19	2.4016	-.0136	-.4293	-.0314	-.0195	-.1666
8503	.150	1577.4	44.50	10.37	2.4792	-.0223	-.4390	-.0354	-.0211	-.1650
8504	.149	1565.1	49.25	10.36	2.5185	-.0304	-.5859	-.0324	-.0211	-.1835
8505	.149	1565.3	1.63	9.87	.3863	.0631	-.0654	-.0072	.0214	-.1949

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7 X 10 HIGH SPEED TUNNEL

TEST	23			RUN	12						
TP	MACH	Q	ALPHA	BETA	CL(SA)	CD(SA)	CPM(SA)	CRM(SA)	CYM(SA)	CSF(SA)	
		PA	DEG	DEG							
8506	.150	1571.3	1.57	19.66	.3286	.0572	-.0560	-.0080	.0394	-.3754	
8507	.151	1587.7	4.47	19.78	.6176	.0736	-.0697	-.0142	.0400	-.3810	
8508	.150	1577.5	10.50	20.12	1.0845	.1398	-.0906	-.0291	.0404	-.3799	
8509	.150	1561.1	15.04	19.53	1.4062	.2811	-.1124	-.0506	.0262	-.3205	
8510	.151	1587.3	17.54	19.70	1.6184	.5234	-.1811	-.0418	.0085	-.2836	
8511	.151	1566.5	24.86	20.01	1.7850	.7729	-.2389	-.0484	.0004	-.2708	

TEST	23			RUN	12						
TP	MACH	Q	ALPHA	BETA	CNF(BA)	CAF(BA)	CPM(BA)	CRM(BA)	CYM(BA)	CSF(BA)	
		PA	DEG	DEG							
8506	.150	1571.3	1.57	19.66	.3301	.0482	-.0560	-.0091	.0392	-.3754	
8507	.151	1587.7	4.47	19.78	.6217	.0198	-.0697	-.0176	.0386	-.3810	
8508	.150	1577.5	10.50	20.12	1.0918	-.0602	-.0906	-.0360	.0345	-.3799	
8509	.150	1561.1	15.04	19.53	1.4310	-.0434	-.1124	-.0557	.0121	-.3205	
8510	.151	1587.3	17.54	19.70	1.7007	-.0496	-.1811	-.0423	-.0060	-.2836	
8511	.151	1566.5	24.86	20.01	1.9452	-.0496	-.2389	-.0441	-.0199	-.2708	

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7 X 10 HIGH SPEED TUNNEL

TEST TP	23 MACH	U PA	RUN ALPHA DEG	13 BETA DEG	CL(SA)	CD(SA)	CPM(SA)	CRM(SA)	CYM(SA)	CSF(SA)
8524	.150	1577.5	2.05	19.85	.3598	.0605	-.0543	-.0086	.0397	-.3689
8525	.150	1571.1	4.41	20.24	.5654	.0717	-.0655	-.0129	.0407	-.3794
8526	.151	1601.3	10.30	19.62	1.0642	.1332	-.0900	-.0277	.0344	-.3529
8527	.150	1583.9	15.12	19.90	1.4133	.2663	-.1175	-.0508	.0276	-.3156
8528	.150	1583.7	20.49	19.79	1.6530	.5693	-.1920	-.0410	.0060	-.2652
8529	.150	1570.1	25.66	19.86	1.7993	.8066	-.2408	-.0482	-.0007	-.2546
8530	.151	1593.5	29.47	20.40	1.8819	1.0134	-.2698	-.0552	-.0034	-.2909
8531	.150	1582.7	35.79	19.97	1.8507	1.3151	-.380	-.0534	-.0041	-.3050
8532	.150	1578.2	39.21	19.58	1.8081	1.4381	.001	-.0531	-.0029	-.3212
8533	.151	1591.6	44.64	19.49	1.7345	1.6656	.4203	-.0575	.0075	-.3500
8534	.151	1585.9	46.86	20.29	1.6728	1.7320	-.4424	-.0590	.0131	-.3688
8535	.142	1407.5	1.45	19.66	.3003	.0602	-.0511	-.0075	.0373	-.3470

TEST TP	23 MACH	U PA	RUN ALPHA DEG	13 BETA DEG	CNF(BA)	CAF(BA)	CPM(BA)	CRM(BA)	CYM(BA)	CSF(BA)
8524	.150	1577.5	2.05	19.85	.3617	.0476	-.0543	-.0100	.0394	-.3689
8525	.150	1571.1	4.41	20.24	.5692	.0280	-.0655	-.0160	.0396	-.3794
8526	.151	1601.3	10.30	19.62	1.0758	-.0601	-.0700	-.0343	.0336	-.3529
8527	.150	1583.9	15.12	19.90	1.4390	-.0921	-.1175	-.0563	.0134	-.3156
8528	.150	1583.7	20.49	19.79	1.7477	-.0454	-.1920	-.0405	-.0087	-.2652
8529	.150	1570.1	25.66	19.86	1.9711	-.0521	-.2408	-.0432	-.0215	-.2546
8530	.151	1593.5	29.47	20.40	2.1369	-.0434	-.2698	-.0464	-.0301	-.2909
8531	.150	1582.7	35.79	19.97	2.2947	-.0333	-.3480	-.0409	-.0345	-.3050
8532	.150	1578.2	39.21	19.58	2.3101	-.0287	-.4001	-.0393	-.0358	-.3212
8533	.151	1591.6	44.64	19.49	2.4045	-.0337	-.4203	-.0462	-.0351	-.3500
8534	.151	1585.9	46.86	20.29	2.4076	-.0361	-.4424	-.0499	-.0341	-.3688
8535	.142	1407.5	1.45	19.66	.3017	.0526	-.0511	-.0084	.0371	-.3470

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7 X 10 HIGH SPEED TUNNEL

TEST TP	23 MACH	Q PA	RUN 14 ALPHA DEG	BETA DEG	CL(SA)	CD(SA)	CPM(SA)	CRM(SA)	CYM(SA)	CSF(SA)
8536	.150	1575.7	1.30	-5.22	.3221	.0714	-.0601	.0008	-.0115	.0939
8537	.150	1584.4	4.85	-4.94	.6677	.0856	-.0641	.0005	-.0118	.1021
8538	.150	1585.1	10.23	-5.24	1.1473	.1516	-.0827	.0032	-.0137	.1092
8539	.150	1581.9	14.75	-5.11	1.4227	.3103	-.1300	.0226	-.0082	.0823
8540	.150	1578.2	19.95	-4.97	1.6595	.5678	-.1566	.0153	-.0067	.0716
8541	.150	1581.3	24.80	-5.23	1.8392	.8164	-.2324	.0139	-.0046	.0750
8542	.150	1578.3	29.43	-4.73	1.9875	1.0934	-.2598	.0079	.0004	.0869
8543	.151	1589.3	34.83	-4.72	1.9935	1.3750	-.3799	.0142	.0025	.0985
8544	.150	1588.2	39.46	-5.12	1.8601	1.5208	-.4206	.0150	-.0044	.1246
8545	.152	1617.3	44.50	-5.13	1.8009	1.7488	-.4737	.0221	-.0063	.0926
8546	.150	1579.6	50.38	-4.49	1.6660	1.9709	-.6272	.0145	-.0117	.0749
8547	.151	1593.6	1.21	-5.26	.3357	.0724	-.0657	.0007	-.0117	.0974

TEST TP	23 MACH	Q PA	RUN 14 ALPHA DEG	BETA DEG	CNF(BA)	CAF(BA)	CPM(BA)	CRM(BA)	CYM(BA)	CSF(BA)
8536	.150	1575.7	1.30	-5.22	.3236	.0641	-.0601	.0010	-.0115	.0939
8537	.150	1584.4	4.85	-4.94	.6725	.0289	-.0641	.0015	-.0117	.1021
8538	.150	1585.1	10.23	-5.24	1.1560	-.0546	-.0827	.0056	-.0129	.1092
8539	.150	1581.9	14.75	-5.11	1.4548	-.0621	-.1300	.0239	-.0021	.0823
8540	.150	1578.2	19.95	-4.97	1.7537	-.0325	-.1566	.0167	-.0011	.0716
8541	.150	1581.3	24.80	-5.23	2.0120	-.0304	-.2324	.0146	.0016	.0750
8542	.150	1578.3	29.43	-4.73	2.2683	-.0244	-.2598	.0067	.0043	.0869
8543	.151	1589.3	34.83	-4.72	2.4217	-.0119	-.3799	.0102	.0102	.0985
8544	.150	1588.2	39.46	-5.12	2.4027	-.0080	-.4206	.0144	.0062	.1246
8545	.152	1617.3	44.50	-5.13	2.5103	-.0147	-.4737	.0202	.0110	.0926
8546	.150	1579.6	50.38	-4.49	2.5805	-.0264	-.6272	.0182	.0037	.0749
8547	.151	1593.6	1.21	-5.26	.3371	.0652	-.0657	.0010	-.0117	.0974

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7 X 10 HIGH SPEED TUNNEL

TEST	23	RUN 15								
TP	MACH	Q PA	ALPHA DEG	BETA DEG	CL(SA)	CD(SA)	CPM(SA)	CRM(SA)	CYM(SA)	CSF(SA)
8567	.150	1569.7	1.29	-9.79	.3030	.0645	-.0592	.0025	-.0220	.1767
8568	.150	1561.5	4.79	-9.97	.6288	.0834	-.0650	.0036	-.0236	.1915
8569	.150	1562.3	10.55	-9.94	1.1346	.1541	-.0930	.0111	-.0241	.1948
8570	.150	1566.3	15.40	-10.15	1.4262	.3412	-.1233	.0379	-.0098	.1476
8571	.150	1572.5	21.11	-10.10	1.6846	.6035	-.1511	.0293	-.0101	.1352
8572	.150	1566.0	26.31	-9.97	1.8629	.8816	-.2462	.0266	-.0054	.1485
8573	.150	1572.6	30.22	-9.88	1.9743	1.1169	-.2854	.0240	.0010	.1707
8574	.150	1563.6	35.28	-10.00	1.4262	1.3428	-.3551	.0270	.0020	.1805
8575	.150	1571.1	40.07	-9.89	1.9084	1.5100	-.4232	.0340	-.0062	.1868
8576	.150	1554.3	44.95	-10.11	1.7430	1.7168	-.4912	.0394	-.0105	.1768
8577	.150	1564.1	49.59	-10.08	1.6420	1.8839	-.5743	.0391	-.0120	.1827
8578	.150	1564.9	1.25	-10.00	.2486	.0716	-.0591	.0024	-.0231	.1847

TEST	23		RUN	15						
TP	MACH	Q	ALPHA	BETA	CNF(BA)	CAF(BA)	CPM(BA)	CRM(BA)	CYM(BA)	CSF(BA)
		PA	DEG	DEG						
8567	.150	1569.7	1.29	-9.79	.3044	.0576	-.0592	.0030	-.0220	.1767
8568	.150	1561.5	4.79	-9.97	.6336	.0306	-.0650	.0055	-.0232	.1915
8569	.150	1562.3	10.55	-9.94	1.1437	-.0562	-.0930	.0153	-.0216	.1948
8570	.150	1566.3	15.40	-10.15	1.4656	-.0497	-.1233	.0392	.0006	.1476
8571	.150	1572.5	21.11	-10.10	1.7829	-.0438	-.1511	.0310	.0012	.1352
8572	.150	1566.0	26.31	-9.97	2.0607	-.0352	-.2462	.0262	.0070	.1485
8573	.150	1572.6	30.22	-9.88	2.2681	-.0286	-.2854	.0202	.0129	.1707
8574	.150	1563.6	35.28	-10.00	2.3480	-.0165	-.3551	.0208	.0172	.1805
8575	.150	1571.1	40.07	-9.89	2.3559	-.0087	-.4232	.0301	.0171	.1868
8576	.150	1554.3	44.95	-10.11	2.4464	-.0165	-.4912	.0353	.0204	.1768
8577	.150	1564.1	49.59	-10.08	2.4989	-.0291	-.5943	.0345	.0219	.1827
8578	.150	1564.9	1.25	-10.00	.3001	.0651	-.0591	.0029	-.0231	.1847

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7 X 10 HIGH SPEED TUNNEL

TEST TP	23 MACH	Q PA	RUN 16 ALPHA DEG	BETA DEG	CL(SA)	CD(SA)	CPM(SA)	CRM(SA)	CYM(SA)	CSF(SA)
8579	.150	1560.3	1.25	-1.99	.3182	.0755	-.0571	-.0000	-.0050	.0388
8580	.150	1558.2	5.13	-2.05	.7043	.0842	-.0604	-.0006	-.0051	.0463
8581	.150	1567.9	9.87	-2.01	1.1193	.1438	-.0736	.0003	-.0055	.0458
8582	.151	1574.7	14.76	-2.13	1.4064	.3059	-.1246	.0144	-.0026	.0352
8583	.150	1572.4	19.60	-2.03	1.6232	.5480	-.1575	.0087	-.0042	.0305
8584	.150	1569.2	24.73	-2.17	1.8123	.8046	-.2303	.0051	-.0014	.0345
8585	.150	1558.9	29.85	-2.04	1.9720	1.1095	-.2898	.0024	.0005	.0471
8586	.151	1575.6	34.66	-2.13	1.9579	1.3438	-.3606	.0091	.0002	.0412
8587	.150	1557.3	39.96	-2.17	1.8251	1.5235	-.4448	.0049	-.0041	.0623
8588	.150	1572.2	44.57	-1.82	1.7628	1.7225	-.5011	.0102	-.0025	.0382
8589	.150	1564.0	50.45	-2.27	1.6339	1.9444	-.6385	.0068	-.0083	.0385
8590	.150	1565.3	1.30	-1.76	.3177	.0652	-.0554	-.0001	-.0044	.0375

TEST TP	23 MACH	Q PA	RUN 16 ALPHA DEG	BETA DEG	CNF(BA)	CAF(BA)	CPM(BA)	CRM(BA)	CYM(BA)	CSF(BA)
8579	.150	1560.3	1.25	-1.99	.3197	.0686	-.0571	.0001	-.0050	.0388
8580	.150	1558.2	5.13	-2.05	.7090	.0210	-.0604	-.0001	-.0051	.0463
8581	.150	1567.9	9.87	-2.01	1.1274	-.0501	-.0736	.0012	-.0054	.0458
8582	.151	1574.7	14.76	-2.13	1.4379	-.0624	-.1246	.0146	.0012	.0352
8583	.150	1572.4	19.60	-2.03	1.7130	-.0284	-.1575	.0097	-.0011	.0305
8584	.150	1569.2	24.73	-2.17	1.9827	-.0274	-.2303	.0053	.0008	.0345
8585	.150	1558.9	29.85	-2.04	2.2626	-.0196	-.2898	.0018	.0017	.0471
8586	.151	1575.6	34.66	-2.13	2.3747	-.0081	-.3606	.0074	.0054	.0412
8587	.150	1557.3	39.96	-2.17	2.3774	-.0045	-.4448	.0064	.0000	.0623
8588	.150	1572.2	44.57	-1.82	2.4646	-.0100	-.5011	.0091	.0053	.0382
8589	.150	1564.0	50.45	-2.27	2.5397	-.0219	-.6385	.0108	-.0000	.0385
8590	.150	1565.3	1.30	-1.76	.3191	.0560	-.0554	.0000	-.0044	.0375

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TEST TP	23 MACH	Q PA	RUN ALPHA DEG	17 BETA DEG	CL(SA)	CD(SA)	CPM(SA)	CRM(SA)	CYM(SA)	CSF(SA)
8591	.150	1569.1	1.01	-9.97	.2745	.0703	-.0602	.0025	-.0233	.1887
8592	.150	1569.5	4.96	-9.77	.6422	.0850	-.0659	.0042	-.0236	.1922
8593	.150	1568.7	9.90	-9.90	1.0823	.1428	-.0886	.0110	-.0244	.2019
8594	.150	1564.1	14.80	-10.11	1.3920	.3096	-.1232	.0352	-.0125	.1619
8595	.150	1564.4	19.84	-9.70	1.6487	.5563	-.1464	.0283	-.0093	.1376
8596	.150	1557.2	24.70	-10.11	1.8081	.7888	-.2209	.0268	-.0073	.1470
8597	.150	1561.8	29.85	-9.89	1.9647	1.0921	-.2777	.0240	-.0008	.1768
8598	.150	1558.9	34.72	-9.79	1.9855	1.3488	-.3428	.0259	.0014	.1845
8599	.150	1561.9	39.71	-9.71	1.8183	1.4963	-.4208	.0317	-.0072	.1987
8600	.150	1555.4	44.86	-10.04	1.7366	1.7021	-.4941	.0382	-.0108	.1894
8601	.150	1559.4	49.36	-10.07	1.6442	1.8711	-.5889	.0382	-.0127	.1957
8602	.150	1562.8	1.23	-9.88	.3007	.0673	-.0586	.0027	-.0234	.1928

TEST TP	23 MACH	Q PA	RUN ALPHA DEG	17 BETA DEG	CNF(BA)	CAF(BA)	CPM(BA)	CRM(BA)	CYM(BA)	CSF(BA)
8591	.150	1569.1	1.01	-9.97	.2757	.0654	-.0602	.0029	-.0233	.1887
8592	.150	1569.5	4.96	-9.77	.6472	.0291	-.0659	.0062	-.0232	.1922
8593	.150	1568.7	9.90	-9.90	1.0907	-.0454	-.0886	.0150	-.0222	.2019
8594	.150	1564.1	14.80	-10.11	1.4249	-.0561	-.1232	.0372	-.0031	.1619
8595	.150	1564.4	19.84	-9.70	1.7347	-.0367	-.1464	.0298	.0009	.1376
8596	.150	1557.2	24.70	-10.11	1.9723	-.0391	-.2209	.0274	.0046	.1470
8597	.150	1561.8	29.85	-9.89	2.2476	-.0305	-.2777	.0212	.0113	.1768
8598	.150	1558.9	34.72	-9.79	2.4002	-.0221	-.3428	.0205	.0159	.1845
8599	.150	1561.9	39.71	-9.71	2.3548	-.0105	-.4208	.0290	.0147	.1987
8600	.150	1555.4	44.86	-10.04	2.4315	-.0183	-.4941	.0347	.0193	.1894
8601	.150	1559.4	49.36	-10.07	2.4907	-.0294	-.5889	.0346	.0207	.1957
8602	.150	1562.8	1.23	-9.88	.3021	.0608	-.0586	.0032	-.0234	.1928

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7 X 10 HIGH SPEED TUNNEL

TEST	23		18							
TP	MACH	D	ALPHA	BETA	CL(SA)	CD(SA)	CPM(SA)	CRM(SA)	CYM(SA)	CSF(SA)
		PA	DEG	DEG						
8615	.151	1584.6	.09	-.00	.0216	.0797	.2630	.0007	-.0007	.0134
8616	.150	1577.4	4.98	-.03	.4745	.0410	.2652	-.0026	-.0013	.0151
8617	.150	1574.6	9.90	-.07	.9046	.1310	.2541	-.0018	-.0015	.0170
8618	.150	1573.4	14.85	-.11	1.2531	.2482	.2039	-.0051	-.0014	.0185
8619	.150	1566.9	19.86	-.15	1.4123	.4752	.1730	.0042	-.0013	.0120
8620	.150	1570.5	24.74	-.17	1.5940	.6828	.0842	.0025	.0004	.0074
8621	.150	1581.2	29.79	-.27	1.7936	.9653	-.0379	.0018	.0007	.0206
8622	.150	1530.4	34.88	-.33	1.8429	1.2169	-.2357	.0033	.0005	.0195
8623	.150	1565.9	39.64	-.34	1.7803	1.3851	-.4591	.0024	.0011	.0192
8624	.149	1559.5	44.81	-.37	1.6624	1.5288	-.6201	.0014	-.0023	.0211
8625	.150	1567.5	50.30	-.31	1.5773	1.7346	-.7278	.0050	-.0013	.0207
8626	.151	1584.6	.10	-.00	.0186	.0792	.2607	-.0003	-.0012	.0243

TEST	23		18							
TP	MACH	D	ALPHA	BETA	CNF(BA)	CAF(BA)	CPM(BA)	CRM(BA)	CYM(BA)	CSF(BA)
		PA	DEG	DEG						
8615	.151	1584.6	.09	-.00	.0217	.0796	.2630	.0007	-.0007	.0134
8616	.150	1577.4	4.98	-.03	.4806	.0495	.2652	-.0024	-.0015	.0151
8617	.150	1574.6	9.90	-.07	.9136	-.0264	.2541	-.0015	-.0017	.0170
8618	.150	1573.4	14.85	-.11	1.2749	-.0813	.2039	-.0046	-.0026	.0185
8619	.150	1566.9	19.86	-.15	1.4897	-.0329	.1730	.0044	.0002	.0120
8620	.150	1570.5	24.74	-.17	1.7334	-.0469	.0842	.0021	.0015	.0074
8621	.150	1581.2	29.79	-.27	2.0361	-.0532	-.0379	.0012	.0015	.0206
8622	.150	1580.4	34.88	-.33	2.2077	-.0555	-.2357	.0024	.0023	.0195
8623	.150	1565.9	39.64	-.34	2.2540	-.0693	-.4591	.0011	.0024	.0192
8624	.149	1559.5	44.81	-.37	2.2568	-.0870	-.6201	.0026	-.0007	.0211
8625	.150	1567.5	50.30	-.31	2.3422	-.1055	-.7278	.0042	.0030	.0207
8626	.151	1584.6	.10	-.00	.0187	.0792	.2607	-.0003	-.0012	.0243

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7 X 10 HIGH SPEED TUNNEL

TEST TP	23 MACH	2 PA	RUN 19 ALPHA DEG	BETA DEG	CL(SA)	CD(SA)	CPM(SA)	CRM(SA)	CYM(SA)	CSF(SA)
8627	.150	1575.3	1.50	5.04	.1592	.1061	.2563	-.0057	.0096	-.0786
8628	.150	1581.0	5.13	4.80	.4992	.1004	.2577	-.0083	.0085	-.0691
8629	.150	1576.4	10.06	5.02	.9314	.1340	.2441	-.0087	.0093	-.0809
8630	.150	1580.4	14.70	4.99	1.2417	.2377	.2087	-.0244	.0062	-.0651
8631	.150	1565.1	17.75	5.08	1.4120	.4702	.1849	-.0109	.0023	-.0420
8632	.150	1581.4	24.77	5.01	1.6340	.6996	.0829	-.0135	.0002	-.0564
8633	.150	1576.0	29.77	5.12	1.8049	.9668	-.0256	-.0102	-.0030	-.0723
8634	.150	1582.3	34.66	5.01	1.8290	1.1470	-.2307	-.0187	-.0017	-.0618
8635	.150	1579.7	39.82	4.87	1.7864	1.3894	-.4300	-.0163	.0052	-.0621
8636	.150	1562.5	44.53	4.80	1.6468	1.5022	-.6376	-.0177	.0087	-.0372
8637	.150	1576.6	49.91	5.15	1.6009	1.7363	-.7029	-.0118	.0070	-.0590
8638	.150	1572.1	1.42	5.01	.1563	.1071	.2558	-.0056	.0097	-.0823

TEST TP	23 MACH	2 PA	RUN 19 ALPHA DEG	BETA DEG	CNF(BA)	CAF(BA)	CPM(BA)	CRM(BA)	CYM(BA)	CSF(BA)
8627	.150	1575.3	1.50	5.04	.1619	.1019	.2563	-.0059	.0094	-.0786
8628	.150	1581.0	5.13	4.80	.5062	.0554	.2577	-.0090	.0076	-.0691
8629	.150	1576.4	10.06	5.02	.9405	-.0308	.2441	-.0102	.0076	-.0809
8630	.150	1580.4	14.70	4.99	1.2614	-.0653	.2087	-.0251	-.0002	-.0651
8631	.150	1565.1	17.75	5.08	1.4478	-.0345	.1849	-.0110	-.0015	-.0420
8632	.150	1581.4	24.77	5.01	1.7769	-.0491	.0829	-.0123	-.0055	-.0564
8633	.150	1576.0	29.77	5.12	2.0468	-.0566	-.0256	-.0073	-.0077	-.0723
8634	.150	1582.3	34.66	5.01	2.1652	-.0554	-.2307	-.0144	-.0121	-.0618
8635	.150	1579.7	39.82	4.87	2.2618	-.0767	-.4300	-.0158	-.0065	-.0621
8636	.150	1562.5	44.53	4.80	2.2268	-.0855	-.6376	-.0187	-.0062	-.0372
8637	.150	1576.6	49.91	5.15	2.3592	-.1065	-.7029	-.0129	-.0045	-.0590
8638	.150	1572.1	1.42	5.01	.1589	.1032	.2558	-.0058	.0095	-.0823

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7 X 10 HIGH SPEED TUNNEL

TEST TP	23 MACH	J PA	RUN ALPHA DEG	20 BETA DEG	CL(SA)	CD(SA)	CPM(SA)	CRM(SA)	CYM(SA)	CSF(SA)
8639	.150	1579.3	1.55	9.95	.1591	.1020	.2435	-.0084	.0209	-.1727
8640	.150	1576.0	1.56	9.95	.1599	.1023	.2437	-.0083	.0210	-.1718
8641	.150	1582.2	4.95	9.97	.4072	.0956	.2419	-.0108	.0195	-.1602
8642	.151	1587.2	9.91	9.94	.4008	.1305	.2308	-.0143	.0142	-.1525
8643	.150	1572.0	14.74	10.04	1.2364	.2557	.2164	-.0367	.0116	-.1277
8644	.151	1585.7	19.73	10.07	1.4363	.4764	.1881	-.0260	.0015	-.0940
8645	.151	1588.5	24.70	9.92	1.6299	.6913	.0819	-.0297	-.0002	-.1058
8646	.150	1564.4	29.74	10.04	1.7742	.9391	-.0208	-.0251	-.0026	-.1407
8647	.150	1570.8	34.87	10.09	1.8457	1.2014	-.1725	-.0310	-.0034	-.1523
8648	.150	1578.5	39.65	10.01	1.7971	1.3971	-.3468	-.0360	.0044	-.1556
8649	.150	1567.3	44.69	9.95	1.7389	1.5930	-.4870	-.0284	.0134	-.1678
8650	.150	1580.4	49.77	10.03	1.6555	1.7913	-.6037	-.0279	.0166	-.1740
8651	.150	1573.0	1.59	9.92	.1593	.1031	.2455	-.0081	.0211	-.1727

TEST TP	23 MACH	J PA	RUN ALPHA DEG	20 BETA DEG	CNF(BA)	CAF(BA)	CPM(BA)	CRM(BA)	CYM(BA)	CSF(BA)
8639	.150	1579.3	1.55	9.95	.1618	.0977	.2435	-.0090	.0207	-.1727
8640	.150	1576.0	1.55	9.95	.1627	.0979	.2437	-.0089	.0208	-.1718
8641	.150	1582.2	4.96	9.97	.4737	.0544	.2419	-.0125	.0185	-.1602
8642	.151	1587.2	9.91	9.94	.9098	-.0265	.2308	-.0174	.0164	-.1525
8643	.150	1572.0	14.75	10.04	1.2607	-.0682	.2164	-.0384	.0019	-.1277
8644	.151	1585.7	19.75	10.07	1.5128	-.0377	.1881	-.0250	-.0074	-.0940
8645	.151	1588.5	24.70	9.92	1.7647	-.0532	.0819	-.0269	-.0126	-.1058
8646	.150	1564.4	29.74	10.04	2.0064	-.0647	-.0208	-.0205	-.0147	-.1407
8647	.150	1570.8	34.87	10.09	2.2012	-.0693	-.1725	-.0235	-.0205	-.1523
8648	.150	1578.5	39.65	10.01	2.2752	-.0712	-.3468	-.0305	-.0196	-.1556
8649	.150	1567.3	44.69	9.95	2.3565	-.0905	-.4870	-.0296	-.0104	-.1678
8650	.150	1580.4	49.77	10.03	2.4433	-.1147	-.6037	-.0306	-.0106	-.1740
8651	.150	1573.0	1.59	9.92	.1621	.0986	.2455	-.0087	.0208	-.1727

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7 X 10 HIGH SPEED TUNNEL

TEST TP	23 MACH	J PA	RUN ALPHA DEG	21 BETA DEG	CL(SA)	CD(SA)	CPH(SA)	CRM(SA)	CYM(SA)	CSF(SA)
8652	.150	1580.5	1.67	19.76	.1205	.0858	.2343	-.0107	.0378	-.3462
8653	.150	1580.7	4.84	19.88	.3898	.0806	.2333	-.0142	.0362	-.3427
8654	.150	1578.2	10.01	19.87	.8128	.1214	.2304	-.0247	.0355	-.3358
8655	.150	1571.6	14.79	19.99	1.1658	.2344	.2022	-.0443	.0233	-.3012
8656	.150	1581.0	19.81	19.86	1.4191	.4599	.1392	-.0406	.0026	-.2314
8657	.150	1579.0	24.61	19.92	1.5781	.6572	.0761	-.0494	-.0083	-.2152
8658	.150	1581.9	29.81	19.93	1.7054	.8972	.0011	-.0561	-.0096	-.2495
8659	.150	1575.5	34.61	19.77	1.7674	1.1312	-.0890	-.0574	-.0084	-.2730
8660	.150	1566.8	39.75	19.97	1.6973	1.3103	-.2454	-.0584	-.0051	-.3111
8661	.150	1582.8	44.56	20.06	1.6757	1.5145	-.3641	-.0608	.0099	-.3302
8662	.150	1583.3	47.11	19.80	1.6572	1.6337	-.4343	-.0584	.0156	-.3396
8663	.150	1578.9	1.30	19.74	.0922	.0855	.2374	-.0102	.0380	-.3492

TEST TP	23 MACH	J PA	RUN ALPHA DEG	21 BETA DEG	CNF(BA)	CAF(BA)	CPH(BA)	CRM(BA)	CYM(BA)	CSF(BA)
8652	.150	1580.5	1.67	19.76	.1229	.0823	.2343	-.0118	.0375	-.3482
8653	.150	1580.7	4.89	19.88	.3953	.0471	.2333	-.0173	.0348	-.3427
8654	.150	1578.2	10.01	19.87	.8216	-.0212	.2304	-.0305	.0307	-.3358
8655	.150	1571.6	14.79	19.99	1.1870	-.0710	.2022	-.0488	.0112	-.3012
8656	.150	1581.0	19.81	19.86	1.4904	-.0484	.1392	-.0391	-.0113	-.2314
8657	.150	1579.0	24.61	19.82	1.7085	-.0596	.0761	-.0415	-.0281	-.2152
8658	.150	1581.9	29.81	19.93	1.9261	-.0696	.0011	-.0439	-.0362	-.2495
8659	.150	1575.5	34.61	19.77	2.0471	-.0729	-.0440	-.0425	-.0396	-.2730
8660	.150	1566.8	39.75	19.97	2.1428	-.0780	-.2454	-.0416	-.0413	-.3111
8661	.150	1582.8	44.56	20.06	2.2566	-.0966	-.3641	-.0503	-.0396	-.3302
8662	.150	1583.3	47.11	19.80	2.3248	-.1024	-.4343	-.0512	-.0321	-.3396
8663	.150	1578.9	1.30	19.74	.0941	.0834	.2374	-.0111	.0377	-.3492

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7 X 10 HIGH SPEED TUNNEL

TEST TP	23 MACH	Q PA	RUN 22 ALPHA DEG	BETA DEG	CL(SA)	CD(SA)	CPM(SA)	CRM(SA)	CYM(SA)	CSF(SA)
8664	.150	1575.3	1.22	-1.97	.0050	.1054	.2683	.0009	-.0050	.0455
8665	.150	1579.8	4.87	-1.92	.4260	.0864	.2684	-.0005	-.0046	.0529
8666	.151	1586.9	7.90	-1.94	.8983	.1315	.2541	-.0007	-.0054	.0529
8667	.150	1577.6	14.87	-2.07	1.2145	.2568	.1474	.0121	-.0019	.0425
8668	.150	1569.7	19.77	-1.91	1.4148	.4739	.1772	.0093	-.0027	.0320
8669	.151	1585.1	24.86	-1.98	1.5966	.6767	.0855	.0078	.0008	.0299
8670	.150	1572.6	29.68	-1.99	1.7931	.9602	-.0337	.0055	.0012	.0489
8671	.150	1579.4	34.80	-1.96	1.8487	1.2174	-.2170	.0110	.0013	.0400
8672	.150	1581.4	39.61	-1.97	1.7919	1.3885	-.4155	.0094	-.0017	.0313
8673	.150	1578.0	44.55	-2.17	1.6603	1.5366	-.6220	.0080	-.0017	.0242
8674	.150	1581.9	50.14	-1.96	1.5657	1.7382	-.7217	.0128	-.0054	.0173
8675	.151	1586.5	1.29	-1.99	.1126	.0980	.2628	.0008	-.0042	.0366

TEST TP	23 MACH	Q PA	RUN 22 ALPHA DEG	BETA DEG	CNF(BA)	CAF(BA)	CPM(BA)	CRM(BA)	CYM(BA)	CSF(BA)
8664	.150	1575.3	1.22	-1.97	.0872	.1036	.2683	.0010	-.0050	.0455
8665	.150	1579.8	4.87	-1.92	.4318	.0504	.2684	-.0001	-.0047	.0529
8666	.151	1586.9	7.90	-1.94	.9075	-.0248	.2541	.0002	-.0054	.0529
8667	.150	1577.6	14.87	-2.07	1.2397	-.0636	.1474	.0122	.0013	.0425
8668	.150	1569.7	19.77	-1.91	1.4917	-.0326	.1772	.0097	.0006	.0320
8669	.151	1585.1	24.86	-1.98	1.7340	-.0554	.0855	.0068	.0040	.0299
8670	.150	1572.6	29.68	-1.99	2.0333	-.0536	-.0337	.0042	.0037	.0489
8671	.150	1579.4	34.80	-1.96	2.2128	-.0554	-.2170	.0083	.0073	.0400
8672	.150	1581.4	39.61	-1.97	2.2656	-.0727	-.4155	.0083	.0047	.0313
8673	.150	1578.0	44.55	-2.17	2.2767	-.0834	-.6220	.0069	.0044	.0242
8674	.150	1581.9	50.14	-1.96	2.3506	-.1033	-.7217	.0128	.0061	.0173
8675	.151	1586.5	1.29	-1.99	.1148	.0955	.2628	.0009	-.0042	.0366

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TEST TP	23 MACH	Q PA	RUN 23 ALPHA DEG	BETA DEG	CL(SA)	CD(SA)	CPM(SA)	CRM(SA)	CYM(SA)	CSF(SA)
8676	.151	1590.3	1.44	-4.95	.1221	.0992	.2583	.0028	-.0106	.0875
8677	.150	1579.2	4.93	-5.05	.4470	.0992	.2596	.0017	-.0111	.0876
8678	.150	1575.1	9.97	-5.00	.8862	.1298	.2435	.0034	-.0111	.0758
8679	.150	1567.4	14.74	-5.11	1.2130	.2612	.1970	.0183	-.0056	.0691
8680	.150	1583.5	19.98	-4.99	1.4295	.4841	.1792	.0165	-.0017	.0484
8681	.150	1571.6	24.64	-5.03	1.6137	.6865	.0755	.0170	.0006	.0538
8682	.150	1575.7	29.69	-5.09	1.8095	.9663	-.0178	.0156	.0044	.0688
8683	.150	1580.3	34.75	-4.90	1.8216	1.1988	-.2264	.0219	.0054	.0801
8684	.149	1561.9	39.59	-5.10	1.7987	1.3913	-.4031	.0238	-.0027	.0741
8685	.150	1569.6	44.71	-4.87	1.7157	1.5682	-.5616	.0212	-.0059	.0711
8686	.150	1566.8	49.94	-4.96	1.6032	1.7440	-.6998	.0209	-.0097	.0763
8687	.151	1601.9	1.27	-5.02	.1011	.1046	.2519	.0027	-.0111	.0913

TEST TP	23 MACH	Q PA	RUN 23 ALPHA DEG	BETA DEG	CNF(BA)	CAF(BA)	CPM(BA)	CRM(BA)	CYM(BA)	CSF(BA)
8676	.151	1590.3	1.44	-4.96	.1246	.0961	.2583	.0030	-.0106	.0875
8677	.150	1579.2	4.93	-5.05	.4539	.0604	.2596	.0027	-.0109	.0876
8678	.150	1575.1	9.97	-5.00	.8953	-.0256	.2435	.0052	-.0104	.0758
8679	.150	1567.4	14.74	-5.11	1.2395	-.0560	.1970	.0192	-.0008	.0691
8680	.150	1583.5	19.98	-4.99	1.5089	-.0336	.1792	.0161	.0040	.0484
8681	.150	1571.6	24.64	-5.03	1.7530	-.0487	.0755	.0152	.0076	.0538
8682	.150	1575.7	29.69	-5.09	2.0505	-.0564	-.0178	.0114	.0116	.0688
8683	.150	1580.3	34.75	-4.90	2.1800	-.0535	-.2264	.0149	.0170	.0801
8684	.149	1561.9	39.59	-5.10	2.2728	-.0743	-.4031	.0201	.0131	.0741
8685	.150	1569.6	44.71	-4.87	2.3226	-.0927	-.5618	.0192	.0107	.0711
8686	.150	1566.8	49.94	-4.96	2.3666	-.1048	-.6998	.0209	.0097	.0763
8687	.151	1601.9	1.27	-5.02	.1034	.1024	.2519	.0030	-.0111	.0913

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TEST TP	23 MACH	Q PA	RUN 24 ALPHA DEG	BETA DEG	CL(SA)	CD(SA)	CPM(SA)	CRM(SA)	CYM(SA)	CSF(SA)
8688	.151	1586.8	1.26	-9.96	.0948	.1010	.2445	.0057	-.0222	.1817
8689	.150	1579.0	5.08	-9.86	.4344	.0981	.2474	.0043	-.0215	.1776
8690	.150	1581.5	9.93	-9.94	.8557	.1290	.2314	.0084	-.0210	.1702
8691	.151	1589.7	14.85	-10.04	1.1969	.2505	.2063	.0281	-.0109	.1409
8692	.152	1621.3	19.77	-9.88	1.4075	.4699	.1736	.0293	-.0002	.0970
8693	.151	1591.4	24.66	-9.96	1.6088	.6812	.0937	.0313	.0016	.0957
8694	.151	1585.7	29.83	-9.99	1.7814	.9509	-.0248	.0321	.0093	.1318
8695	.149	1561.4	34.62	-10.01	1.7988	1.1712	-.1847	.0367	.0064	.1514
8696	.150	1575.9	39.55	-10.21	1.7805	1.3830	-.3649	.0426	-.0013	.1581
8697	.150	1567.0	44.80	-9.92	1.7151	1.5786	-.5324	.0366	-.0120	.1661
8698	.150	1575.8	49.79	-9.59	1.6087	1.7363	-.6592	.0338	-.0156	.1673
8699	.150	1579.6	1.17	-10.04	.0897	.1015	.2436	.0056	-.0224	.1834

TEST TP	23 MACH	Q PA	RUN 24 ALPHA DEG	BETA DEG	CNF(BA)	CAF(BA)	CPM(BA)	CRM(BA)	CYM(BA)	CSF(BA)
8688	.151	1586.8	1.26	-9.96	.0970	.0989	.2445	.0062	-.0221	.1817
8689	.150	1579.0	5.08	-9.86	.4414	.0592	.2474	.0062	-.0210	.1776
8690	.150	1581.5	9.93	-9.94	.8651	-.0206	.2314	.0119	-.0192	.1702
8691	.151	1589.7	14.85	-10.04	1.2211	-.0646	.2063	.0299	-.0033	.1409
8692	.152	1621.3	19.77	-9.88	1.4835	-.0340	.1736	.0276	.0097	.0970
8693	.151	1591.4	24.66	-9.96	1.7463	-.0523	.0837	.0278	.0145	.0957
8694	.151	1585.7	29.83	-9.99	2.0184	-.0614	-.0248	.0252	.0206	.1318
8695	.149	1561.4	34.62	-10.01	2.1457	-.0580	-.1847	.0266	.0262	.1514
8696	.150	1575.9	39.55	-10.21	2.2535	-.0674	-.3649	.0337	.0261	.1581
8697	.150	1567.0	44.80	-9.92	2.3293	-.0882	-.5324	.0344	.0173	.1661
8698	.150	1575.8	49.79	-9.59	2.3645	-.1076	-.6592	.0338	.0157	.1673
8699	.150	1579.6	1.17	-10.04	.0917	.0997	.2436	.0061	-.0223	.1834

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7 X 10 HIGH SPEED TUNNEL

TEST TP	23 MACH	Q PA	RUN ALPHA DEG	25 BETA DEG	CL(SA)	CD(SA)	CPM(SA)	CRM(SA)	CYM(SA)	CSF(SA)
8700	.150	1571.3	17.93	-11.88	1.3332	.3822	.1905	.0349	-.0016	.1291
8701	.151	1589.9	17.64	-9.80	1.3344	.3828	.1704	.0306	-.0012	.1010
8702	.151	1589.6	17.86	-7.91	1.3367	.3880	.1684	.0254	-.0001	.0722
8703	.151	1587.0	17.76	-5.82	1.3450	.3954	.1656	.0225	-.0004	.0515
8704	.151	1593.8	17.92	-3.92	1.3210	.3856	.1769	.0202	-.0006	.0261
8705	.151	1586.3	17.73	-2.05	1.3192	.3906	.1802	.0126	-.0007	.0079
8706	.151	1587.0	17.91	.52	1.3071	.3824	.1815	.0038	.0016	-.0246
8707	.150	1583.7	17.78	2.10	1.3056	.3769	.1810	-.0028	.0028	-.0322
8708	.151	1588.0	17.78	4.17	1.3231	.3930	.1782	-.0094	.0034	-.0651
8709	.150	1584.5	17.67	5.96	1.3260	.3928	.1772	-.0158	.0034	-.0783
8710	.151	1586.0	17.81	8.04	1.3456	.4015	.1780	-.0213	.0020	-.0998
8711	.151	1586.2	17.80	10.10	1.3454	.3851	.1836	-.0279	.0033	-.1194
8712	.150	1535.0	17.63	11.87	1.3554	.3878	.1858	-.0318	.0029	-.1455
8713	.150	1561.0	17.96	.06	1.3184	.3867	.1816	.0058	.0008	-.0266

TEST TP	23 MACH	Q PA	RUN ALPHA DEG	25 BETA DEG	CNF(BA)	CAF(BA)	CPM(BA)	CRM(BA)	CYM(BA)	CSF(BA)
8700	.150	1571.3	17.93	-11.88	1.3861	-.0468	.1905	.0337	.0092	.1291
8701	.151	1589.9	17.64	-9.80	1.3877	-.0395	.1704	.0296	.0082	.1010
8702	.151	1589.6	17.86	-7.91	1.3932	-.0413	.1984	.0242	.0076	.0722
8703	.151	1587.0	17.76	-5.82	1.4015	-.0336	.1856	.0216	.0065	.0515
8704	.151	1593.8	17.92	-3.92	1.3756	-.0395	.1769	.0195	.0056	.0261
8705	.151	1586.3	17.73	-2.05	1.3754	-.0308	.1802	.0122	.0032	.0079
8706	.151	1587.0	17.91	.52	1.3613	-.0381	.1815	.0031	.0027	-.0246
8707	.150	1583.7	17.78	2.10	1.3590	-.0380	.1810	-.0035	.0019	-.0322
8708	.151	1588.0	17.78	4.17	1.3799	-.0298	.1782	-.0100	.0004	-.0651
8709	.150	1584.5	17.67	5.96	1.3846	-.0289	.1772	-.0161	-.0015	-.0783
8710	.151	1586.0	17.81	8.04	1.4039	-.0292	.1780	-.0209	-.0046	-.0998
8711	.151	1586.2	17.80	10.10	1.3987	-.0447	.1836	-.0276	-.0054	-.1194
8712	.150	1585.0	17.63	11.87	1.4092	-.0409	.1858	-.0312	-.0069	-.1455
8713	.150	1561.0	17.96	.06	1.3734	-.0386	.1816	.0052	.0026	-.0266

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7 X 10 HIGH SPEED TUNNEL

TEST TP	23 MACH	Q PA	RUN 26 ALPHA DEG	BETA DEG	CL(SA)	CD(SA)	CPM(SA)	CRM(SA)	CYM(SA)	CSF(SA)
8725	.149	1558.3	20.83	-0.02	1.4641	.5166	.1707	.0036	-.0017	-.0007
8726	.150	1576.5	20.97	-11.77	1.4763	.5201	.1770	.0344	-.0033	.1478
8727	.151	1605.4	20.79	-9.95	1.4564	.5045	.1784	.0305	-.0029	.1166
8728	.150	1569.4	20.57	-7.99	1.4789	.5211	.1785	.0264	-.0032	.0908
8729	.151	1587.5	20.73	-5.92	1.4554	.5068	.1778	.0198	-.0038	.0635
8730	.150	1578.6	20.79	-3.97	1.4598	.5094	.1742	.0141	-.0041	.0507
8731	.150	1582.8	20.89	-2.14	1.4724	.5207	.1668	.0101	-.0039	.0262
8732	.150	1584.0	20.89	-.52	1.4537	.5065	.1691	.0048	-.0016	.0098
8733	.151	1589.2	20.90	2.15	1.4676	.5192	.1655	-.0034	.0006	-.0109
8734	.150	1585.5	20.89	4.12	1.4703	.5186	.1690	-.0091	.0022	-.0397
8735	.150	1585.7	20.81	6.08	1.4734	.5164	.1746	-.0149	.0021	-.0639
8736	.150	1580.8	20.93	7.93	1.4619	.5078	.1786	-.0193	.0028	-.0818
8737	.150	1584.8	21.22	10.03	1.4860	.5248	.1798	-.0258	.0031	-.1128
8738	.150	1580.5	20.30	.12	1.4541	.5045	.1686	.0028	-.0016	.0081

TEST TP	23 MACH	Q PA	RUN 26 ALPHA DEG	BETA DEG	CNF(BA)	CAF(BA)	CPM(BA)	CRM(BA)	CYM(BA)	CSF(BA)
8725	.149	1558.3	20.83	-0.02	1.5521	-.0379	.1707	.0039	-.0003	-.0007
8726	.150	1576.5	20.97	-11.77	1.5647	-.0427	.1770	.0333	.0092	.1478
8727	.151	1605.4	20.79	-9.95	1.5407	-.0453	.1784	.0295	.0081	.1166
8728	.150	1569.4	20.87	-7.99	1.5675	-.0400	.1785	.0258	.0064	.0908
8729	.151	1587.5	20.73	-5.92	1.5405	-.0465	.1778	.0199	.0035	.0635
8730	.150	1578.6	20.79	-3.97	1.5456	-.0468	.1742	.0146	.0013	.0507
8731	.150	1582.8	20.89	-2.14	1.5613	-.0386	.1668	.0109	-.0000	.0262
8732	.150	1584.0	20.89	-.52	1.5389	-.0446	.1691	.0050	.0002	.0098
8733	.151	1589.2	20.90	2.15	1.5563	-.0386	.1655	-.0033	-.0006	-.0109
8734	.150	1585.5	20.89	4.12	1.5587	-.0395	.1690	-.0093	-.0012	-.0397
8735	.150	1585.7	20.81	6.08	1.5608	-.0406	.1746	-.0147	-.0034	-.0639
8736	.150	1580.8	20.93	7.93	1.5468	-.0479	.1786	-.0191	-.0043	-.0818
8737	.150	1584.8	21.22	10.03	1.5752	-.0487	.1798	-.0252	-.0065	-.1128
8738	.150	1580.5	20.30	.12	1.5385	-.0447	.1686	.0032	-.0005	.0081

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7 X 10 HIGH SPEED TUNNEL

TEST	23		RUN	27							
TP	MACH	ϕ	ALPHA	BETA	CL(SA)	CD(SA)	CPM(SA)	CRM(SA)	CYM(SA)	CSF(SA)	
		PA	DEG	DEG							
8739	.152	1606.3	9.96	-19.56	.7558	.1124	.2287	.0179	-.0366	.3497	
8740	.150	1578.4	15.07	-19.91	1.1352	.2360	.1921	.0371	-.0224	.3246	
8741	.151	1587.8	19.87	-20.08	1.4021	.4437	.1480	.0464	-.0051	.2740	
8742	.151	1592.3	24.75	-19.58	1.5713	.6482	.0764	.0450	.0106	.2198	
8743	.150	1583.3	29.79	-19.85	1.6773	.8776	-.0217	.0609	.0087	.2535	
8744	.150	1584.3	34.85	-19.81	1.7226	1.1141	-.1210	.0654	.0052	.2861	
8745	.147	1523.3	39.30	-19.80	1.6992	1.3168	-.2504	.0664	.0002	.3268	
8746	.150	1580.9	44.46	-20.06	1.6642	1.5020	-.4096	.0652	-.0153	.3475	
8747	.150	1578.9	47.17	-20.10	1.6133	1.5955	-.5002	.0613	-.0230	.3480	
8748	.150	1581.8	10.02	-20.00	.7799	.1170	.2275	.0201	-.0372	.3669	

TEST	23		RUN	27							
TP	MACH	ϕ	ALPHA	BETA	CNF(BA)	CAF(BA)	CPM(BA)	CRM(BA)	CYM(BA)	CSF(BA)	
		PA	DEG	DEG							
8739	.152	1606.3	9.96	-19.56	.7638	-.0201	.2287	.0240	-.0332	.3497	
8740	.150	1578.4	15.07	-19.91	1.1576	-.0672	.1921	.0417	-.0120	.3246	
8741	.151	1587.8	19.87	-20.08	1.4694	-.0592	.1480	.0454	.0110	.2740	
8742	.151	1592.3	24.75	-19.58	1.6983	-.0693	.0764	.0364	.0285	.2198	
8743	.150	1583.3	29.78	-19.35	1.8917	-.0715	-.0217	.0485	.0378	.2535	
8744	.150	1584.8	34.88	-19.81	2.0502	-.0710	-.1210	.0507	.0417	.2861	
8745	.147	1523.3	39.50	-19.80	2.1484	-.0761	-.2504	.0508	.0426	.3268	
8746	.150	1580.9	44.46	-20.06	2.2393	-.0435	-.4096	.0572	.0348	.3475	
8747	.150	1578.9	47.17	-20.10	2.2668	-.0983	-.5002	.0586	.0293	.3480	
8748	.150	1581.8	10.02	-20.00	.7863	-.0206	.2275	.0262	-.0331	.3669	

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7 X 10 HIGH SPEED TUNNEL

TEST TP	23 MACH	Q PA	RUN 22 ALPHA DEG	BETA DEG	CL(SA)	CD(SA)	CPH(SA)	CRM(SA)	CYM(SA)	CSF(SA)
8753	.151	1588.2	.04	-.00	-.1234	.1760	.4593	-.0001	-.0008	.0025
8754	.151	1595.6	5.09	.02	.3182	.1714	.4847	-.0026	-.0015	.0055
8755	.150	1573.5	9.96	.05	.7042	.1915	.5098	-.0017	-.0012	.0039
8756	.150	1572.5	14.77	.03	1.0432	.2619	.4937	-.0088	-.0015	.0036
8757	.150	1580.2	19.75	.12	1.1962	.4572	.4564	.0044	-.0009	-.0044
8758	.150	1581.5	25.04	.14	1.4012	.539	.3544	.0025	.0006	-.0071
8759	.151	1592.3	29.99	.14	1.5981	.9040	.2509	.0024	-.0004	.0016
8760	.149	1550.0	34.63	.14	1.6386	1.0999	.0685	.0026	.0016	.0013
8761	.149	1552.3	39.72	.15	1.5872	1.2597	-.1234	.0020	.0009	.0038
8762	.150	1566.9	44.69	.16	1.4896	1.3748	-.2431	-.0001	-.0009	.0014
8763	.148	1541.9	50.17	.23	1.4189	1.5518	-.3401	.0013	-.0002	.0177
8764	.152	1612.6	.05	-.00	-.1260	.1753	.4577	-.0002	-.0010	.0081

TEST TP	23 MACH	Q PA	RUN 23 ALPHA DEG	BETA DEG	CNF(BA)	CAF(BA)	CPH(BA)	CRM(BA)	CYM(BA)	CSF(BA)
8753	.151	1588.2	.04	-.00	-.1233	.1761	.4593	-.0001	-.0008	.0025
8754	.151	1595.6	5.09	.02	.3321	.1424	.4847	-.0024	-.0017	.0055
8755	.150	1573.5	9.96	.05	.7317	.0660	.5098	-.0015	-.0015	.0039
8756	.150	1572.5	14.77	.03	1.0755	-.0127	.4937	-.0082	-.0037	.0036
8757	.150	1580.2	19.75	.12	1.2803	.0260	.4564	.0045	.0006	-.0044
8758	.150	1581.5	25.04	.14	1.5462	-.0006	.3594	.0020	.0016	-.0071
8759	.151	1592.3	29.99	.14	1.8360	-.0158	.2509	.0022	.0009	.0016
8760	.149	1550.0	34.63	.14	1.4734	-.0261	.0685	.0013	.0028	.0013
8761	.149	1552.3	39.72	.15	2.0258	-.0454	-.1234	.0010	.0014	.0038
8762	.150	1566.9	44.69	.16	2.0259	-.0704	-.2431	.0005	-.0007	.0014
8763	.148	1541.9	50.17	.23	2.1005	-.0958	-.3401	.0010	.0008	.0177
8764	.152	1612.6	.05	-.00	-.1258	.1754	.4577	-.0002	-.0010	.0081

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TEST TP	23 MACH	Q PA	RUN ALPHA 29 DEG	BETA DEG	CL(SA)	CD(SA)	CPM(SA)	CRM(SA)	CYM(SA)	CSF(SA)
8765	.150	1583.9	10.05	4.98	.7101	.1879	.4983	-.0116	.0075	-.0645
8766	.151	1588.7	14.96	5.04	1.0219	.2633	.5002	-.0229	.0064	-.0557
8767	.149	1565.0	19.81	5.13	1.1839	.4475	.4664	-.0108	.0003	-.0365
8768	.151	1603.5	24.94	4.95	1.4133	.6457	.3678	-.0161	-.0016	-.0371
8769	.150	1584.3	29.64	4.99	1.5823	.8769	.2910	-.0116	-.0045	-.0569
8770	.150	1580.2	34.55	5.06	1.6392	1.0927	.0919	-.0173	-.0047	-.0659
8771	.151	1589.4	39.90	5.27	1.6144	1.2826	-.1092	-.0159	.0061	-.0712
8772	.151	1589.4	44.59	4.96	1.4778	1.3606	-.2685	-.0168	.0088	-.0462
8773	.150	1585.5	50.19	4.79	1.4391	1.5740	-.3321	-.0079	.0065	-.0534
8774	.150	1586.2	9.65	4.82	.6828	.1839	.4912	-.0108	.0071	-.0585

TEST TP	23 MACH	Q PA	RUN ALPHA 29 DEG	BETA DEG	CNF(BA)	CAF(BA)	CPM(BA)	CRM(BA)	CYM(BA)	CSF(BA)
8765	.150	1583.9	10.05	4.98	.7320	.0612	.4983	-.0127	.0054	-.0645
8766	.151	1588.7	14.96	5.04	1.0553	-.0095	.5002	-.0238	.0002	-.0557
8767	.149	1565.0	19.81	5.13	1.2655	.0198	.4664	-.0103	-.0034	-.0365
8768	.151	1603.5	24.94	4.95	1.5537	-.0104	.3678	-.0140	-.0083	-.0371
8769	.150	1584.3	29.64	4.99	1.8141	-.0233	.2910	-.0079	-.0096	-.0569
8770	.150	1580.2	34.55	5.06	1.9697	-.0330	.0919	-.0115	-.0137	-.0659
8771	.151	1589.4	39.90	5.27	2.0612	-.0515	-.1092	-.0161	-.0055	-.0712
8772	.151	1589.4	44.59	4.96	2.0076	-.0684	-.2685	-.0181	-.0055	-.0462
8773	.150	1585.5	50.19	4.79	2.1305	-.0976	-.3321	-.0100	-.0019	-.0534
8774	.150	1586.2	9.66	4.82	.7040	.0667	.4912	-.0118	.0052	-.0585

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7 X 10 HIGH SPEED TUNNEL

TEST TP	23 MACH	Q PA	RUN ALPHA DEG	30 BETA DEG	CL(SA)	CD(SA)	CPM(SA)	CRM(SA)	CYM(SA)	CSF(SA)
8789	.151	1577.5	10.28	10.15	.7411	.1924	.4680	-.0190	.0169	-.1698
8790	.150	1562.6	14.94	10.11	1.0351	.2856	.4996	-.0361	.0082	-.1343
8791	.150	1563.4	17.36	10.07	1.2152	.4576	.4675	-.0242	-.0023	-.0980
8792	.150	1556.7	24.89	9.78	1.4357	.6630	.3615	-.0289	-.0052	-.1154
8793	.150	1561.9	29.73	10.30	1.5967	.8932	.2865	-.0275	-.0063	-.1475
8794	.150	1556.9	34.89	10.32	1.6568	1.1116	.1172	-.0302	-.0055	-.1602
8795	.150	1561.3	39.74	10.06	1.6270	1.2878	-.0572	-.0308	.0063	-.1698
8796	.150	1555.3	44.99	10.09	1.5790	1.4620	-.1690	-.0242	.0124	-.1845
8797	.150	1549.1	49.44	10.46	1.5425	1.6295	-.2728	-.0242	.0147	-.2045
8798	.149	1528.1	9.85	10.17	.7099	.1896	.4695	-.0189	.0174	-.1844

TEST TP	23 MACH	Q PA	RUN ALPHA DEG	30 BETA DEG	CNF(BA)	CAF(BA)	CPM(BA)	CRM(BA)	CYM(BA)	CSF(BA)
8789	.151	1577.5	10.28	10.15	.7636	.0571	.4680	-.0217	.0133	-.1698
8790	.150	1562.6	14.94	10.11	1.0737	.0090	.4996	-.0370	-.0013	-.1343
8791	.150	1563.4	17.36	10.07	1.2984	.0176	.4675	-.0219	-.0104	-.0980
8792	.150	1556.9	24.89	9.78	1.5814	-.0026	.3615	-.0248	-.0151	-.1154
8793	.150	1561.9	29.73	10.30	1.8294	-.0163	.2865	-.0207	-.0191	-.1475
8794	.150	1556.9	34.89	10.32	1.9949	-.0360	.1172	-.0217	-.0216	-.1602
8795	.150	1561.3	39.74	10.06	2.0742	-.0571	-.0572	-.0276	-.0150	-.1698
8796	.150	1555.3	44.99	10.09	2.1503	-.0824	-.1690	-.0258	-.0083	-.1845
8797	.150	1549.1	49.44	10.46	2.2410	-.1123	-.2728	-.0269	-.0089	-.2045
8798	.149	1528.1	9.85	10.17	.7319	.0654	.4695	-.0216	.0139	-.1844

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7 X 10 HIGH SPEED TUNNEL

TEST	23		RUN	31						
TP	MACH	α	ALPHA	BETA	CL(SA)	CD(SA)	CPM(SA)	CRM(SA)	CYM(SA)	CSF(SA)
		PA	DEG	DEG						
8799	.151	1570.1	9.99	-1.99	.6863	.1873	.5062	.0013	-.0048	.0212
8800	.150	1554.7	14.97	-1.96	1.0392	.2770	.4770	.0006	-.0042	.0251
8801	.150	1556.4	19.79	-2.01	1.2003	.4620	.4530	.0106	-.0012	.0003
8802	.150	1555.7	24.80	-1.96	1.4197	.6574	.3658	.0104	.0026	-.0071
8803	.151	1568.1	29.70	-1.96	1.5900	.8919	.2658	.0078	.0039	.0144
8804	.149	1539.2	34.49	-2.00	1.6442	1.0496	.0798	.0126	.0035	.0148
8805	.151	1564.7	39.67	-2.01	1.5997	1.2646	-.1132	.0114	-.0011	.0170
8806	.150	1555.0	44.71	-1.89	1.4971	1.3896	-.2654	.0072	-.0032	.0177
8807	.150	1550.1	49.75	-2.01	1.4390	1.5527	-.3380	.0081	-.0051	.0252
8808	.149	1526.7	10.19	-1.95	.7238	.1946	.5065	.0015	-.0044	.0280

TEST	23		RUN	31						
TP	MACH	α	ALPHA	BETA	CNF(BA)	CAF(BA)	CPM(BA)	CRM(BA)	CYM(BA)	CSF(BA)
		PA	DEG	DEG						
8799	.151	1570.1	9.99	-1.99	.7064	.0654	.5062	.0021	-.0045	.0212
8800	.150	1554.7	14.97	-1.96	1.0755	-.0008	.4770	.0016	-.0039	.0251
8801	.150	1556.4	19.79	-2.01	1.2858	.0284	.4530	.0103	.0025	.0003
8802	.150	1555.7	24.80	-1.96	1.5645	.0012	.3658	.0084	.0067	-.0071
8803	.151	1568.1	29.70	-1.96	1.8231	-.0130	.2658	.0049	.0072	.0144
8804	.149	1539.2	34.49	-2.00	1.9778	-.0246	.0798	.0084	.0100	.0148
8805	.151	1564.7	39.67	-2.01	2.0386	-.0480	-.1132	.0094	.0064	.0170
8806	.150	1555.0	44.71	-1.89	2.0416	-.0656	-.2654	.0073	.0028	.0177
8807	.150	1550.1	49.75	-2.01	2.1148	-.0951	-.3380	.0091	.0029	.0252
8808	.149	1526.7	10.19	-1.95	.7469	.0636	.5065	.0022	-.0041	.0280

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TEST TP	23 MACH	Q PA	RUN 32 ALPHA DEG	BETA DEG	CL(SA)	CD(SA)	CPM(SA)	CRM(SA)	CYM(SA)	CSF(SA)
8809	.150	1544.2	9.98	-4.89	.6972	.1951	.5007	.0066	-.0099	.0717
8810	.150	1550.1	14.92	-4.88	1.0078	.2845	.4322	.0147	-.0039	.0589
8811	.150	1556.6	19.92	-4.97	1.2117	.4676	.4617	.0183	.0007	.0271
8812	.150	1558.3	24.59	-4.74	1.3950	.6360	.3643	.0190	.0026	.0227
8813	.151	1566.3	29.86	-4.85	1.5887	.8858	.2882	.0152	.0068	.0508
8814	.150	1552.5	34.80	-4.80	1.6229	1.0941	.0705	.0213	.0085	.0702
8815	.150	1544.5	39.76	-5.04	1.6112	1.2739	-.1028	.0217	-.0026	.0691
8816	.150	1555.5	44.51	-5.07	1.5429	1.4076	-.2242	.0185	-.0057	.0749
8817	.149	1533.2	49.70	-5.12	1.4588	1.5678	-.3425	.0164	-.0100	.0782
8818	.151	1562.1	54.90	-5.01	.6082	.1937	.4967	.0063	-.0100	.0734

TEST TP	23 MACH	Q PA	RUN 32 ALPHA DEG	BETA DEG	CNF(BA)	CAF(BA)	CPM(BA)	CRM(BA)	CYM(BA)	CSF(BA)
8809	.150	1544.2	9.98	-4.89	.7205	.0714	.5007	.0082	-.0086	.0717
8810	.150	1550.1	14.92	-4.88	1.0471	.0154	.4822	.0152	.0001	.0589
8811	.150	1556.6	19.92	-4.97	1.2986	.0268	.4617	.0170	.0069	.0271
8812	.150	1558.3	24.59	-4.74	1.5340	-.0003	.3643	.0162	.0102	.0227
8813	.151	1566.3	29.86	-4.85	1.8188	-.0229	.2882	.0098	.0135	.0508
8814	.150	1552.5	34.80	-4.80	1.9571	-.0279	.0705	.0127	.0141	.0702
8815	.150	1544.5	39.76	-5.04	2.0533	-.0513	-.1028	.0183	.0119	.0691
8816	.150	1555.5	44.51	-5.07	2.0871	-.0778	-.2242	.0172	.0089	.0749
8817	.149	1533.2	49.70	-5.12	2.1392	-.0986	-.3425	.0186	.0064	.0782
8818	.151	1562.1	54.90	-5.01	.7113	.0725	.4967	.0079	-.0088	.0734

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7 X 10 HIGH SPEED TUNNEL

TEST TP	23 MACH	Q PA	RUN 33 ALPHA DEG	BETA DEG	CL(SA)	CD(SA)	CPM(SA)	CRM(SA)	CYM(SA)	CSF(SA)
8820	.151	1563.3	10.12	-9.88	.6796	.1930	.4734	.0130	-.0176	.1584
8821	.150	1554.3	14.91	-9.92	.9964	.2861	.4940	.0274	-.0087	.1245
8822	.150	1548.1	19.53	-10.74	1.2070	.4579	.4541	.0295	.0048	.0893
8823	.149	1534.9	24.74	-10.02	1.3981	.6433	.3687	.0315	.0054	.0878
8824	.150	1553.6	29.62	-10.12	1.5615	.8716	.2870	.0335	.0077	.1116
8825	.150	1545.8	34.95	-10.05	1.6006	1.0777	.0915	.0357	.0090	.1381
8826	.150	1547.8	39.97	-9.90	1.6059	1.2730	-.1000	.0370	-.0036	.1484
8827	.150	1545.0	44.69	-10.01	1.5559	1.4180	-.2116	.0328	-.0102	.1561
8828	.151	1561.0	49.40	-9.72	1.5011	1.5831	-.3225	.0293	-.0154	.1662
8829	.150	1547.1	10.20	-9.87	.6412	.1958	.4771	.0123	-.0180	.1620

TEST TP	23 MACH	Q PA	RUN 33 ALPHA DEG	BETA DEG	CNF(BA)	CAF(BA)	CPM(BA)	CRM(BA)	CYM(BA)	CSF(BA)
8820	.151	1563.3	10.12	-9.88	.7029	.0706	.4734	.0159	-.0151	.1584
8821	.150	1554.3	14.91	-9.92	1.0365	.0201	.4940	.0288	-.0014	.1245
8822	.150	1548.1	19.53	-10.74	1.2906	.0280	.4541	.0262	.0144	.0893
8823	.149	1534.9	24.74	-10.02	1.5390	-.0010	.3687	.0264	.0181	.0878
8824	.150	1553.6	29.62	-10.12	1.7852	-.0140	.2870	.0253	.0232	.1116
8825	.150	1545.8	34.95	-10.05	1.9244	-.0302	.0915	.0242	.0278	.1381
8826	.150	1547.8	39.97	-9.90	2.0485	-.0561	-.1000	.0307	.0210	.1484
8827	.150	1545.0	44.69	-10.01	2.1034	-.0862	-.2116	.0304	.0158	.1561
8828	.151	1561.0	49.40	-9.72	2.1789	-.1093	-.3225	.0308	.0123	.1662
8829	.150	1547.1	10.20	-9.87	.7149	.0703	.4771	.0153	-.0156	.1620

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7 X 10 HIGH SPEED TUNNEL

TEST TP	23 MACH	Q PA	WIND 34 ALPHA DEG	BETA DEG	CL(SA)	CD(SA)	CPM(SA)	CRM(SA)	CYM(SA)	CSF(SA)
8830	.151	1569.4	9.95	-17.74	.5678	.1684	.4358	.0224	-.0309	.3161
8832	.150	1555.6	14.62	-19.65	.9081	.2595	.4373	.0346	-.0214	.3053
8833	.150	1554.5	17.43	-19.74	1.2014	.4451	.4190	.0416	-.0012	.2467
8834	.150	1556.4	24.66	-19.60	1.3612	.6219	.3599	.0370	.0166	.1927
8835	.150	1555.8	27.53	-19.54	1.4638	.8032	.2715	.0546	.0141	.2173
8836	.151	1561.5	34.55	-19.57	1.5283	1.0095	.1990	.0615	.0100	.2569
8837	.152	1591.3	37.53	-20.04	1.5162	1.1712	.0298	.0609	.0055	.3063
8838	.150	1555.6	44.68	-20.13	1.5234	1.3756	-.1548	.0590	-.0116	.3426
8839	.150	1553.5	47.09	-19.74	1.4980	1.4539	-.2196	.0557	-.0178	.3365
8840	.150	1556.0	9.88	-19.69	.5755	.1702	.4350	.0219	-.0313	.3149

TEST TP	23 MACH	Q PA	WIND 34 ALPHA DEG	BETA DEG	CNF(SA)	CAF(SA)	CPM(SA)	CRM(SA)	CYM(SA)	CSF(SA)
8830	.151	1569.4	9.95	-19.94	.5885	.0663	.4358	.0274	-.0266	.3161
8832	.150	1555.6	14.62	-19.85	.9443	.0223	.4373	.0390	-.0124	.3053
8833	.150	1554.5	17.43	-19.74	1.2622	.0118	.4190	.0395	.0131	.2467
8834	.150	1556.4	24.66	-19.60	1.4466	-.0028	.3599	.0267	.0305	.1927
8835	.150	1555.8	27.53	-19.54	1.6695	-.0225	.2715	.0406	.0391	.2173
8836	.151	1561.5	34.55	-19.57	1.8312	-.0355	.1990	.0449	.0431	.2569
8837	.152	1591.3	37.53	-20.04	1.9148	-.0615	.0248	.0435	.0430	.3063
8838	.150	1555.6	44.68	-20.13	2.0508	-.0936	-.1596	.0501	.0332	.3426
8839	.150	1553.5	47.09	-19.74	2.0846	-.1074	-.2196	.0509	.0287	.3365
8840	.150	1556.0	9.88	-19.89	.5962	.0684	.4350	.0270	-.0271	.3199

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TEST TP	23 MACH	0 PA	RUN ALPHA DEG	35 BETA DEG	CL(SA)	CD(SA)	CPH(SA)	CRM(SA)	CYM(SA)	CSF(SA)
8852	.150	1550.9	17.71	12.05	1.3431	.3842	.1912	-.0309	.0029	-.1429
8853	.149	1531.0	17.76	9.93	1.3460	.3887	.1830	-.0261	.0022	-.1165
8854	.150	1553.9	17.99	7.97	1.3473	.4036	.1843	-.0209	.0018	-.0934
8855	.150	1548.7	17.77	6.01	1.3109	.3787	.1817	-.0156	.0029	-.0734
8856	.151	1560.4	17.85	3.98	1.2999	.3776	.1818	-.0089	.0030	-.0542
8857	.151	1558.3	17.85	1.95	1.3113	.3900	.1852	-.0008	.0023	-.0487
8858	.151	1560.6	17.91	.44	1.3116	.3922	.1834	.0041	.0006	-.0293
8859	.151	1560.1	17.90	-1.99	1.2956	.3789	.1805	.0118	-.0007	.0015
8860	.151	1563.1	17.95	-3.97	1.3265	.3972	.1790	.0185	-.0010	.0221
8861	.151	1556.1	17.91	-5.97	1.3122	.3934	.1898	.0230	-.0004	.0429
8862	.151	1560.9	17.73	-7.94	1.3163	.3769	.1937	.0249	-.0010	.0696
8863	.151	1560.5	17.78	-9.91	1.3330	.3898	.1912	.0298	-.0013	.0950
8864	.151	1552.9	17.79	-13.76	1.3213	.3769	.1944	.0384	-.0038	.1592
8865	.150	1544.3	17.87	-11.89	1.3273	.3885	.1880	.0332	-.0029	.1291
8866	.150	1547.3	17.73	-9.86	1.3277	.3857	.1920	.0288	-.0015	.0983
8867	.151	1553.5	18.11	-9.35	1.3479	.4043	.1868	.0271	-.0003	.0983
8868	.151	1554.0	17.89	-7.86	1.3281	.3896	.1930	.0240	-.0010	.0837
8869	.151	1554.0	17.77	-5.83	1.3387	.3950	.1856	.0227	-.0004	.0640
8870	.151	1553.9	17.84	-3.81	1.3140	.3897	.1784	.0172	-.0015	.0365
8871	.150	1550.6	17.94	-1.87	1.3186	.3860	.1819	.0106	-.0016	.0017
8872	.150	1546.8	17.86	-.30	1.2999	.3778	.1858	.0096	-.0002	-.0024
8873	.150	1550.6	17.89	1.88	1.3135	.3928	.1833	-.0011	.0017	-.0388
8874	.150	1551.1	17.92	4.17	1.3088	.3862	.1820	-.0099	.0026	-.0534
8875	.150	1550.8	17.74	5.81	1.3012	.3749	.1825	-.0190	.0029	-.0877
8876	.151	1552.7	17.62	7.93	1.3332	.3915	.1844	-.0216	.0019	-.0973
8877	.150	1551.1	18.00	9.93	1.3573	.4019	.1889	-.0278	.0021	-.1165
8878	.150	1548.5	17.94	11.81	1.3578	.4017	.1863	-.0308	.0020	-.1545

TEST TP	23 MACH	0 PA	RUN ALPHA DEG	35 BETA DEG	CL(SA)	CD(SA)	CPH(SA)	CRM(SA)	CYM(SA)	CSF(SA)
8852	.150	1550.9	17.71	12.05	1.3464	-.0427	.1912	-.0303	-.0067	-.1429
8853	.149	1531.0	17.76	9.93	1.3409	-.0375	.1830	-.0256	-.0059	-.1165
8854	.150	1553.9	17.99	7.97	1.4061	-.0321	.1843	-.0205	-.0047	-.0934
8855	.150	1548.7	17.77	6.01	1.3639	-.0394	.1812	-.0157	-.0019	-.0734
8856	.151	1560.4	17.85	3.98	1.3530	-.0389	.1818	-.0094	.0001	-.0542
8857	.151	1558.3	17.85	1.95	1.3677	-.0307	.1852	-.0014	.0019	-.0487
8858	.151	1560.6	17.91	.44	1.3686	-.0300	.1834	.0037	.0018	-.0293
8859	.151	1560.3	17.90	-1.99	1.3493	-.0376	.1805	.0119	.0029	.0015
8860	.151	1563.1	17.95	-3.97	1.3843	-.0310	.1790	.0180	.0048	.0221
8861	.151	1556.1	17.91	-5.97	1.3696	-.0358	.1898	.0220	.0067	.0429
8862	.151	1560.9	17.73	-7.94	1.3685	-.0418	.1937	.0240	.0067	.0696
8863	.151	1560.5	17.78	-9.91	1.3883	-.0358	.1912	.0288	.0078	.0950

TEST TP	23 MACH	0 PA	RUN ALPHA DEG	35 BETA DEG	CL(SA)	CD(SA)	CPH(SA)	CRM(SA)	CYM(SA)	CSF(SA)
8864	.151	1552.9	17.79	-13.76	1.3733	-.0448	.1944	.0377	.0081	.1592
8865	.150	1544.3	17.87	-11.89	1.3825	-.0375	.1880	.0324	.0079	.1291
8866	.150	1547.3	17.73	-9.86	1.3821	-.0369	.1920	.0279	.0074	.0983
8867	.151	1553.5	18.11	-9.35	1.4068	-.0347	.1868	.0298	.0082	.0983
8868	.151	1554.0	17.89	-7.86	1.3837	-.0324	.1930	.0231	.0064	.0837
8869	.151	1554.0	17.77	-5.83	1.3954	-.0323	.1856	.0218	.0065	.0640
8870	.151	1553.9	17.84	-3.81	1.3702	-.0315	.1784	.0169	.0039	.0365
8871	.150	1550.6	17.94	-1.87	1.3765	-.0294	.1819	.0106	.0018	.0017
8872	.150	1546.8	17.86	-.30	1.3531	-.0392	.1858	.0094	-.0015	-.0024
8873	.150	1550.6	17.89	1.88	1.3706	-.0297	.1833	-.0016	.0013	-.0388
8874	.150	1551.1	17.92	4.17	1.3641	-.0352	.1820	-.0132	-.0005	-.0534
8875	.150	1550.8	17.74	5.81	1.3536	-.0394	.1825	-.0152	-.0018	-.0877
8876	.151	1552.7	17.62	7.93	1.3841	-.0304	.1844	-.0217	.0048	.0973
8877	.150	1551.1	18.00	9.93	1.4151	-.0371	.1889	-.0271	-.0066	-.1165
8878	.150	1548.5	17.94	11.81	1.4155	-.0361	.1863	-.0299	-.0075	-.1545

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TEST TP	23 MACH	Q PA	RUN 36 ALPHA DEG	BETA DEG	CL(SA)	CC(SA)	CPM(SA)	CRM(SA)	CYM(SA)	CSF(SA)
8879	.150	1540.6	21.06	11.65	1.4779	.5234	.1846	-.0285	.0024	-.1525
8880	.150	1547.9	20.88	10.00	1.4567	.5070	.1895	-.0255	.0021	-.1171
8881	.150	1549.9	20.80	8.17	1.4468	.4990	.1867	-.0204	.0015	-.0872
8882	.151	1551.9	20.69	6.14	1.4400	.4901	.1855	-.0142	.0016	-.0671
8883	.150	1550.0	20.77	3.92	1.4507	.5072	.1738	-.0071	.0014	-.0644
8884	.150	1548.7	20.84	1.96	1.4554	.5141	.1708	-.0026	.0008	-.0265
8885	.150	1542.9	20.86	-.10	1.4592	.5118	.1715	.0048	-.0020	-.0179
8886	.150	1539.6	20.78	-1.80	1.4423	.5000	.1729	.0079	-.0037	.0225
8887	.151	1563.5	20.75	-3.78	1.4610	.5135	.1754	.0141	-.0051	.0453
8888	.150	1547.0	20.96	-6.08	1.4740	.5236	.1768	.0208	-.0042	.0684
8889	.150	1543.6	20.94	-7.89	1.4715	.5199	.1835	.0262	-.0032	.0720
8890	.150	1550.0	20.73	-10.07	1.4617	.5075	.1808	.0307	-.0029	.0980
8891	.150	1543.7	20.72	-12.00	1.4598	.5082	.1760	.0332	-.0024	.1267
8892	.150	1543.6	21.00	-9.93	1.4643	.5104	.1804	.0293	-.0031	.1086
8893	.150	1538.2	20.97	-7.76	1.4773	.5242	.1817	.0251	-.0040	.0860
8894	.150	1545.1	20.84	-6.00	1.4740	.5211	.1820	.0208	-.0040	.0564
8895	.150	1543.7	20.61	-3.95	1.4598	.5098	.1777	.0152	-.0046	.0322
8896	.150	1540.0	20.88	-2.10	1.4573	.5135	.1711	.0091	-.0044	.0294
8897	.150	1540.1	21.00	.06	1.4636	.5192	.1683	.0028	-.0019	-.0030
8898	.150	1549.2	20.90	1.98	1.4551	.5136	.1731	-.0026	-.0001	-.0228
8899	.150	1543.5	20.91	3.98	1.4644	.5190	.1713	-.0078	.0018	-.0623
8900	.150	1543.7	20.81	6.01	1.4650	.5162	.1770	-.0152	.0016	-.0687
8901	.151	1551.1	21.02	8.06	1.4616	.5151	.1793	-.0212	.0029	-.0884
8902	.150	1550.5	20.93	9.83	1.4684	.5178	.1863	-.0261	.0023	-.1081
8903	.150	1544.3	20.67	12.02	1.4726	.5122	.1883	-.0293	.0009	-.1351

TEST TP	23 MACH	Q PA	RUN 36 ALPHA DEG	BETA DEG	CNF(SA)	CAF(SA)	CPN(SA)	CRM(SA)	CYN(SA)	CSF(SA)
8879	.150	1540.6	21.06	11.65	1.5672	-.0426	.1846	-.0275	-.0080	-.1525
8880	.150	1547.9	20.88	10.00	1.5419	-.0400	.1895	-.0246	-.0070	-.1171
8881	.150	1549.9	20.80	8.17	1.5297	-.0473	.1867	-.0196	-.0059	-.0872
8882	.151	1551.9	20.69	6.14	1.5224	-.0447	.1855	-.0138	-.0035	-.0671
8883	.150	1550.0	20.77	3.92	1.5363	-.0402	.1738	-.0071	-.0012	-.0644
8884	.150	1548.7	20.84	1.96	1.5431	-.0373	.1708	-.0027	-.0002	-.0265
8885	.150	1542.9	20.86	-.10	1.5459	-.0360	.1715	.0052	-.0001	-.0179
8886	.150	1539.6	20.78	-1.80	1.5259	-.0441	.1729	.0087	-.0007	.0225
8887	.151	1563.5	20.75	-3.78	1.5482	-.0374	.1754	.0149	.0003	.0453
8888	.150	1547.0	20.96	-6.08	1.5638	-.0382	.1768	.0209	.0039	.0684
8889	.150	1543.6	20.94	-7.89	1.5601	-.0405	.1835	.0256	.0064	.0720
8890	.150	1550.0	20.73	-10.07	1.5467	-.0426	.1808	.0297	.0081	.0980
8891	.150	1543.7	20.72	-12.00	1.5492	-.0412	.1760	.0318	.0095	.1267
8892	.150	1543.6	21.00	-9.93	1.5500	-.0482	.1804	.0285	.0076	.1086
8893	.150	1538.2	20.97	-7.76	1.5671	-.0392	.1817	.0249	.0053	.0860
8894	.150	1545.1	20.84	-6.00	1.5629	-.0375	.1820	.0209	.0037	.0564
8895	.150	1543.7	20.61	-3.95	1.5458	-.0366	.1777	.0158	.0011	.0322
8896	.150	1540.0	20.88	-2.10	1.5446	-.0397	.1711	.0101	-.0008	.0294
8897	.150	1540.1	21.00	.06	1.5524	-.0399	.1683	.0032	-.0008	-.0030
8898	.150	1549.2	20.90	1.98	1.5426	-.0393	.1731	-.0024	-.0010	-.0228
8899	.150	1543.5	20.91	3.98	1.5531	-.0379	.1713	-.0079	-.0011	-.0623
8900	.150	1543.7	20.81	6.01	1.5529	-.0380	.1770	-.0148	-.0039	-.0687
8901	.151	1551.1	21.02	8.06	1.5490	-.0435	.1793	-.0208	-.0049	-.0884
8902	.150	1550.5	20.93	9.83	1.5565	-.0408	.1863	-.0252	-.0072	-.1081
8903	.150	1544.3	20.67	12.02	1.5556	-.0405	.1883	-.0278	-.0095	-.1351

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7 X 10 HIGH SPEED TUNNEL

TEST TP	23 MACH	Q PA	RUN 37 ALPHA DEG	BETA DEG	CL(SA)	CD(SA)	CPH(SA)	CRM(SA)	CYM(SA)	CSF(SA)
8906	.151	1552.2	.15	.00	.2575	.0484	-.0691	-.0100	-.0039	.0068
8907	.151	1562.2	9.75	.04	1.1247	.1483	-.0383	-.0126	-.0030	.0115
8908	.150	1539.9	14.88	.06	1.4287	.3191	-.1290	-.0067	.0018	.0058
8909	.151	1550.9	19.93	.09	1.6429	.5707	-.1633	-.0049	.0030	-.0037
8910	.150	1540.3	24.80	.11	1.8039	.8074	-.2322	-.0030	.0057	-.0091
8911	.150	1532.7	29.79	.13	1.9679	1.1062	-.2882	.0016	.0058	-.0112
8912	.149	1513.9	34.94	.14	1.9483	1.3507	-.3737	.0068	.0045	-.0243
8913	.150	1530.3	39.60	.15	1.8555	1.5218	-.4763	.0098	.0082	-.0436
8914	.149	1516.4	45.03	.18	1.7366	1.7105	-.6703	.0186	.0119	-.0476
8915	.149	1525.3	50.31	.23	1.6261	1.9110	-.7261	.0175	.0124	-.0560
8916	.151	1557.7	9.94	.02	1.1504	.1543	-.0894	-.0124	-.0029	.0141

TEST TP	23 MACH	Q PA	RUN 37 ALPHA DEG	BETA DEG	CNF(BA)	CAF(BA)	CPH(BA)	CRM(BA)	CYM(BA)	CSF(BA)
8906	.151	1552.2	.16	.00	.2576	.0477	-.0691	-.0099	-.0039	.0068
8907	.151	1562.2	9.75	.04	1.1336	-.0443	-.0383	-.0119	-.0051	.0115
8908	.150	1539.9	14.88	.06	1.4628	-.0584	-.1290	-.0069	.0000	.0058
8909	.151	1550.9	19.93	.09	1.7390	-.0236	-.1633	-.0056	.0012	-.0037
8910	.150	1540.3	24.80	.11	1.9762	-.0236	-.2322	-.0051	.0039	-.0091
8911	.150	1532.7	29.79	.13	2.2574	-.0175	-.2882	-.0015	.0059	-.0112
8912	.149	1513.9	34.94	.14	2.3707	-.0086	-.3737	.0030	.0076	-.0243
8913	.150	1530.3	39.60	.15	2.3997	-.0104	-.4763	.0023	.0125	-.0436
8914	.149	1516.4	45.03	.18	2.4375	-.0196	-.6703	.0047	.0216	-.0476
8915	.149	1525.3	50.31	.23	2.5091	-.0307	-.7261	.0017	.0214	-.0560
8916	.151	1557.7	9.94	.02	1.1598	-.0466	-.0894	-.0118	-.0050	.0141

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7 X 10 HIGH SPEED TUNNEL

TEST TP	23 MACH	Q PA	RUN 38 ALPHA DEG	BETA DEG	CL(SA)	CD(SA)	CPM(SA)	CRM(SA)	CYM(SA)	CSF(SA)
8935	.151	1568.9	1.54	4.95	.3694	.0795	-.0626	-.0136	.0066	-.0848
8936	.151	1565.6	2.99	5.14	1.1427	.1482	-.0935	-.0204	.0081	-.0868
8937	.150	1550.0	14.97	4.87	1.4605	.3222	-.1342	-.0371	.0076	-.0793
8938	.150	1556.0	19.67	4.83	1.6275	.5564	-.1480	-.0158	.0094	-.0948
8939	.150	1555.7	24.94	4.44	1.8255	.8221	-.2057	-.0106	.0086	-.1025
8940	.150	1549.2	29.74	4.78	1.9615	1.0965	-.2493	-.0045	.0050	-.1144
8941	.151	1567.1	34.75	4.92	1.9194	1.3121	-.3399	-.0078	.0043	-.1309
8942	.150	1560.6	39.52	4.97	1.8341	1.4997	-.4702	-.0047	.0138	-.1515
8943	.150	1557.6	44.41	5.10	1.7719	1.6987	-.5537	-.0012	.0147	-.1573
8944	.150	1555.9	50.09	4.80	1.6216	1.8969	-.6948	.0035	.0208	-.1297
8945	.151	1575.0	9.92	5.11	1.1589	.1523	-.0916	-.0212	.0062	-.0799

TEST TP	23 MACH	Q PA	RUN 38 ALPHA DEG	BETA DEG	CNF(BA)	CAF(BA)	CPM(BA)	CRM(BA)	CYM(BA)	CSF(BA)
8935	.151	1568.9	1.54	4.95	.3714	.0696	-.0628	-.0138	.0062	-.0848
8936	.151	1565.6	2.99	5.14	1.1511	-.0522	-.0735	-.0215	.0045	-.0868
8937	.150	1550.0	14.97	4.87	1.4941	-.0661	-.1342	-.0378	-.0022	-.0793
8938	.150	1556.0	19.67	4.88	1.7198	-.0239	-.1480	-.0181	.0035	-.0948
8939	.150	1555.7	24.94	4.44	2.0019	-.0244	-.2057	-.0132	.0034	-.1025
8940	.150	1549.2	29.74	4.75	2.2471	-.0209	-.2493	-.0064	.0021	-.1144
8941	.151	1567.1	34.75	4.82	2.3249	-.0158	-.3399	-.0089	-.0009	-.1309
8942	.150	1560.6	39.52	4.97	2.3691	-.0103	-.4702	-.0124	.0076	-.1515
8943	.150	1557.6	44.41	5.10	2.4545	-.0264	-.5537	-.0111	.0097	-.1573
8944	.150	1555.9	50.09	4.80	2.4955	-.0270	-.6948	-.0137	.0160	-.1297
8945	.151	1575.0	9.92	5.11	1.1678	-.0496	-.0916	-.0223	.0044	-.0799

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7 X 10 HIGH SPEED TUNNEL

TEST TP	23 MACH	Q PA	RUN 39 ALPHA DEG	BETA DEG	CL(SA)	CD(SA)	CPH(SA)	CRM(SA)	CYM(SA)	CSF(SA)
8947	.151	1574.6	10.07	10.12	1.1532	.1555	-.0997	-.0278	.0205	-.1698
8948	.150	1558.6	10.10	9.75	1.4587	.3168	-.1115	-.0471	.0124	-.1223
8949	.150	1564.8	19.84	10.12	1.6440	.5643	-.1247	-.0318	.0108	-.1113
8950	.151	1576.5	24.83	9.86	1.8174	.8103	-.1831	-.0280	.0093	-.1478
8951	.150	1556.7	29.74	9.73	1.9516	1.0817	-.2342	-.0208	.0057	-.1623
8952	.150	1548.7	34.90	9.77	1.9810	1.3471	-.3159	-.0212	.0051	-.1898
8953	.149	1528.4	39.76	9.16	1.8295	1.5062	-.4083	-.0228	.0141	-.2029
8954	.150	1565.6	44.55	9.80	1.7498	1.6932	-.4526	-.0296	.0165	-.1941
8955	.150	1563.7	49.75	10.13	1.6496	1.9077	-.5842	-.0340	.0225	-.2037
8956	.150	1565.4	9.79	10.03	1.1289	.1532	-.0987	-.0270	.0199	-.1574

TEST TP	23 MACH	Q PA	RUN 39 ALPHA DEG	BETA DEG	CNF(BA)	CAF(BA)	CPH(BA)	CRM(BA)	CYM(BA)	CSF(BA)
8947	.151	1574.6	10.07	10.12	1.1626	-.0485	-.0997	-.0310	.0153	-.1698
8948	.150	1558.6	10.10	9.75	1.4909	-.0743	-.1115	-.0487	-.0003	-.1223
8949	.150	1564.8	19.84	10.12	1.7380	-.0273	-.1247	-.0335	-.0006	-.1113
8950	.151	1576.5	24.83	9.86	1.9897	-.0278	-.1831	-.0293	-.0033	-.1478
8951	.150	1556.7	29.74	9.73	2.2312	-.0289	-.2342	-.0209	-.0054	-.1623
8952	.150	1548.7	34.90	9.77	2.3955	-.0284	-.3159	-.0203	-.0079	-.1898
8953	.149	1528.4	39.76	9.16	2.3696	-.0120	-.4083	-.0265	-.0038	-.2029
8954	.150	1565.6	44.55	9.80	2.4349	-.0209	-.4526	-.0327	-.0090	-.1941
8955	.150	1563.7	49.75	10.13	2.5219	-.0276	-.5842	-.0392	-.0114	-.2037
8956	.150	1565.4	9.79	10.03	1.1385	-.0410	-.0987	-.0300	.0151	-.1574

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7 X 10 HIGH SPEED TUNNEL

TEST TP	23 MACH	Q PA	RUN 40 ALPHA DEG	BETA DEG	CL(SA)	CD(SA)	CPM(SA)	CRM(SA)	CYM(SA)	CSF(SA)
8957	.150	1564.9	13.09	-4.77	1.1421	.1542	-.0976	-.0066	-.0145	.1181
8958	.150	1563.8	14.62	-5.26	1.4202	.3093	-.1376	.0133	-.0081	.1146
8959	.152	1595.4	17.86	-4.93	1.6461	.5647	-.1576	.0052	-.0036	.1191
8960	.151	1572.8	24.77	-4.92	1.8240	.8129	-.2457	.0061	.0009	.1055
8961	.150	1565.2	29.62	-4.97	1.9825	1.1014	-.2935	.0060	.0062	.1177
8962	.150	1565.4	34.85	-4.94	1.9639	1.3541	-.3979	.0190	.0054	.0915
8963	.150	1563.1	39.59	-4.14	1.9659	1.5185	-.4814	.0186	.0049	.0483
8965	.149	1533.0	44.54	-4.93	1.7979	1.7381	-.5445	.0243	.0034	.0397
8966	.149	1540.5	50.17	-5.02	1.6391	1.9308	-.6416	.0156	.0014	.0732
8967	.150	1557.5	9.94	-5.05	1.1317	.1530	-.0993	-.0063	-.0148	.0958

TEST TP	23 MACH	Q PA	RUN 40 ALPHA DEG	BETA DEG	CNF(BA)	CAF(BA)	CPM(BA)	CRM(BA)	CYM(BA)	CSF(BA)
8957	.150	1564.9	13.09	-4.77	1.1514	-.0483	-.0976	-.0040	-.0154	.1181
8958	.150	1563.8	14.62	-5.26	1.4523	-.0592	-.1378	.0149	-.0045	.1146
8959	.152	1595.4	17.86	-4.93	1.7400	-.0280	-.1576	.0061	-.0016	.1191
8960	.151	1572.8	24.77	-4.92	1.9968	-.0262	-.2457	.0051	.0034	.1055
8961	.150	1565.2	29.62	-4.97	2.2678	-.0225	-.2935	.0021	.0084	.1177
8962	.150	1565.4	34.85	-4.99	2.3855	-.0110	-.3979	.0122	.0157	.0915
8963	.150	1563.1	39.59	-4.14	2.4056	-.0186	-.4814	.0112	.0156	.0483
8965	.149	1533.0	44.54	-4.93	2.5066	-.0223	-.5445	.0149	.0195	.0397
8966	.149	1540.5	50.17	-5.02	2.5326	-.0220	-.6416	.0089	.0124	.0732
8967	.150	1557.5	9.94	-5.05	1.1411	-.0447	-.0993	-.0036	-.0156	.0958

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7 X 10 HIGH SPEED TUNNEL

TEST	23		RUN	41						
TP	MACH	J	ALPHA	BETA	CL(SA)	CD(SA)	CPM(SA)	CRM(SA)	CYM(SA)	CSF(SA)
		PA	DEG	DEG						
8968	.150	1555.5	9.84	-9.92	1.0814	.1442	-.1106	.0006	-.0253	.1915
8969	.149	1543.8	14.84	-9.92	1.4148	.3233	-.1383	.0264	-.0112	.1553
8970	.150	1552.4	19.73	-10.06	1.6552	.5553	-.1669	.0206	-.0061	.1329
8971	.151	1577.1	24.66	-9.96	1.8126	.7891	-.2458	.0209	-.0022	.1326
8972	.151	1568.1	29.85	-9.87	1.9716	1.0889	-.3161	.0247	.0053	.1395
8973	.150	1551.5	34.75	-10.04	1.9474	1.3306	-.4128	.0341	.0061	.1473
8974	.150	1556.0	39.72	-9.99	1.8458	1.5193	-.4323	.0423	.0034	.1316
8975	.150	1562.6	44.48	-10.08	1.7635	1.6966	-.4749	.0449	-.0035	.1319
8976	.150	1557.7	49.65	-10.15	1.6595	1.9010	-.6068	.0435	-.0006	.1465
8977	.151	1576.7	9.96	-9.78	1.0904	.1436	-.1101	-.0000	-.0251	.1913

TEST	23		RUN	41						
TP	MACH	J	ALPHA	BETA	CNF(BA)	CAF(BA)	CPM(BA)	CRM(BA)	CYM(BA)	CSF(BA)
		PA	DEG	DEG						
8968	.150	1555.5	9.84	-9.92	1.0401	-.0427	-.1106	.0049	-.0244	.1915
8969	.149	1543.8	14.84	-9.92	1.4504	-.0499	-.1383	.0284	-.0041	.1553
8970	.150	1552.4	19.73	-10.06	1.7455	-.0360	-.1669	.0214	.0012	.1329
8971	.151	1577.1	24.66	-9.96	1.9765	-.0392	-.2458	.0199	.0067	.1326
8972	.151	1568.1	29.85	-9.87	2.2520	-.0371	-.3161	.0188	.0168	.1395
8973	.150	1551.5	34.75	-10.04	2.3585	-.0169	-.4128	.0246	.0245	.1473
8974	.150	1556.0	39.72	-9.99	2.3906	-.0110	-.4323	.0303	.0297	.1316
8975	.150	1562.6	44.48	-10.08	2.4470	-.0253	-.4749	.0345	.0240	.1319
8976	.150	1557.7	49.65	-10.15	2.5232	-.0339	-.6068	.0286	.0328	.1465
8977	.151	1576.7	9.96	-9.78	1.0988	-.0472	-.1101	.0043	-.0248	.1913

JASA TANGLEY

7 X 10 HIGH SPEED TUNNEL

TEST	23			RUN	42						
TP	MACH	Q		ALPHA	BETA	CL(SA)	CD(SA)	CPM(SA)	CRM(SA)	CYM(SA)	CSF(SA)
		PA		DEG	DEG						
8978	.150	1561.5		9.99	-19.77	.9922	.1410	-.1094	.0112	-.0428	.3696
8979	.150	1560.5		14.98	-19.81	1.3451	.2798	-.1308	.0372	-.0279	.3348
8980	.150	1561.2		19.73	-19.69	1.6086	.4985	-.1867	.0409	-.0104	.2726
8981	.149	1540.2		24.91	-19.95	1.7706	.7557	-.2477	.0397	.0048	.2372
8982	.150	1561.2		29.60	-19.68	1.8633	1.0020	-.3211	.0554	.0054	.2566
8983	.151	1574.3		34.48	-19.75	1.8744	1.2263	-.3364	.0631	.0053	.2617
8984	.151	1567.4		39.61	-19.72	1.7724	1.4227	-.3920	.0681	.0024	.2942
8985	.150	1550.0		44.55	-19.77	1.7022	1.6289	-.4680	.0694	-.0084	.3096
8986	.149	1540.6		47.37	-19.87	1.6493	1.7353	-.5015	.0664	-.0120	.3121
8987	.151	1567.9		10.04	-19.73	.9915	.1347	-.1112	.0104	-.0424	.3588

TEST	23			RUN	42						
TP	MACH	Q		ALPHA	BETA	CNF(BA)	CAF(BA)	CPM(BA)	CRM(BA)	CYM(BA)	CSF(BA)
		PA		DEG	DEG						
8978	.150	1561.5		9.99	-19.77	1.0016	-.0333	-.1094	.0184	-.0402	.3696
8979	.150	1560.5		14.98	-19.81	1.3717	-.0773	-.1308	.0431	-.0174	.3348
8980	.150	1561.2		19.73	-19.69	1.6825	-.0739	-.1867	.0420	.0040	.2726
8981	.149	1540.2		24.91	-19.95	1.9243	-.0604	-.2477	.0340	.0211	.2372
8982	.150	1561.2		29.60	-19.68	2.1151	-.0491	-.3211	.0454	.0321	.2566
8983	.151	1574.3		34.48	-19.75	2.2393	-.0504	-.3364	.0490	.0401	.2617
8984	.151	1567.4		39.61	-19.72	2.2725	-.0338	-.3920	.0509	.0453	.2942
8985	.150	1550.0		44.55	-19.77	2.3558	-.0332	-.4680	.0553	.0427	.3096
8986	.149	1540.6		47.37	-19.87	2.3937	-.0381	-.5015	.0537	.0407	.3121
8987	.151	1567.9		10.04	-19.73	.9998	-.0401	-.1112	.0176	-.0400	.3588

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TEST	23		RUN	43							
TP	MACH	J	ALPHA	BETA	CL(SA)	CD(SA)	CPH(SA)	CRM(SA)	CYM(SA)	CSF(SA)	
		FA	DEG	DEG							
8990	.151	1571.3	9.77	-.05	.8759	.1277	.2448	-.0137	-.0073	.0284	
8991	.150	1560.5	14.96	-.07	1.2546	.2578	.1883	-.0182	-.0051	.0239	
8992	.150	1562.7	19.68	-.07	1.4017	.4699	.1652	-.0077	-.0020	.0134	
8993	.151	1567.7	24.73	-.11	1.6008	.6692	.0774	-.0087	.0032	.0039	
8994	.150	1551.7	29.73	-.16	1.7924	.9677	-.0460	-.0083	.0042	.0083	
8995	.148	1525.5	34.74	-.22	1.8452	1.2180	-.2078	-.0034	.0060	.0042	
8996	.149	1541.5	39.74	-.29	1.7781	1.3970	-.4254	-.0025	.0091	-.0024	
8997	.151	1568.6	44.65	-.37	1.6458	1.5087	-.5859	-.0015	.0086	-.0005	
8998	.150	1560.0	50.26	-.35	1.5568	1.7249	-.6741	.0041	.0093	-.0056	
8999	.150	1563.2	9.75	-.10	.8849	.1304	.2448	-.0142	-.0076	.0384	

TEST	23		RUN	43						
TP	MACH	Q PA	ALPHA DEG	BETA DEG	CNF(BA)	CAF(BA)	CPH(BA)	CRM(BA)	CYM(BA)	CSF(BA)
8990	.151	1571.3	9.77	-.05	.8849	-.0227	.2448	-.0122	-.0095	.0284
8991	.150	1560.5	14.96	-.07	1.2786	-.0749	.1883	-.0163	-.0097	.0239
8992	.150	1562.7	19.68	-.07	1.4781	-.0295	.1652	-.0065	-.0045	.0134
8993	.151	1567.7	24.73	-.11	1.7423	-.0439	.0774	-.0093	-.0008	.0039
8994	.150	1551.7	29.73	-.16	2.0363	-.0484	-.0460	-.0093	-.0005	.0083
8995	.148	1525.5	34.74	-.22	2.2104	-.0505	-.2078	-.0073	.0047	.0042
8996	.149	1541.5	39.74	-.29	2.2604	-.0624	-.4254	-.0077	.0054	-.0024
8997	.151	1568.6	44.65	-.37	2.2311	-.0834	-.5359	-.0071	.0051	-.0005
8998	.150	1560.0	50.26	-.35	2.3217	-.0942	-.6741	-.0045	.0041	-.0056
8999	.150	1563.2	9.75	-.10	.8942	-.0217	.2448	-.0127	-.0099	.0384

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7 X 10 HIGH SPEED TUNNEL

TEST TP	23 MACH	Q PA	RUN 44 ALPHA DEG	BETA DEG	CL(SA)	CD(SA)	CPM(SA)	CRM(SA)	CYM(SA)	CSF(SA)
9000	.151	1568.3	10.00	5.10	.9214	.1371	.2388	-.0199	.0037	-.0560
9001	.151	1584.7	14.94	5.01	1.2506	.2685	.1897	-.0343	.0035	-.0457
9002	.151	1573.1	17.83	5.17	1.4235	.4822	.1768	-.0229	.0020	-.0416
9003	.151	1572.4	24.90	4.90	1.6142	.6936	.0871	-.0245	.0024	-.0474
9004	.150	1553.8	29.69	5.10	1.8048	.9726	-.0198	-.0197	.0018	-.0878
9005	.150	1558.0	34.73	5.10	1.8303	1.2086	-.2183	-.0253	.0042	-.0850
9006	.150	1546.6	39.68	4.96	1.7977	1.3996	-.3915	-.0220	.0137	-.0874
9007	.150	1560.4	44.71	5.14	1.7331	1.5999	-.5541	-.0196	.0148	-.0986
9008	.151	1586.0	49.90	5.02	1.5997	1.7460	-.6798	-.0130	.0172	-.0799
9009	.151	1578.2	9.91	4.86	.9090	.1327	.2407	-.0194	.0029	-.0515

TEST TP	23 MACH	Q PA	RUN 44 ALPHA DEG	BETA DEG	CNF(BA)	CAF(BA)	CPM(BA)	CRM(BA)	CYM(BA)	CSF(BA)
9000	.151	1568.3	10.00	5.10	.9312	-.0249	.2388	-.0202	.0002	-.0580
9001	.151	1584.7	14.94	5.01	1.2775	-.0629	.1897	-.0340	-.0055	-.0457
9002	.151	1573.1	17.83	5.17	1.5026	-.0294	.1768	-.0223	-.0059	-.0416
9003	.151	1572.4	24.90	4.90	1.7562	-.0504	.0871	-.0232	-.0081	-.0474
9004	.150	1553.8	29.69	5.10	2.0496	-.0491	-.0198	-.0180	-.0082	-.0878
9005	.150	1558.0	34.73	5.10	2.1928	-.0496	-.2183	-.0231	-.0110	-.0850
9006	.150	1546.6	39.68	4.96	2.2772	-.0705	-.3915	-.0257	-.0035	-.0874
9007	.150	1560.4	44.71	5.14	2.3572	-.0622	-.5541	-.0243	-.0033	-.0986
9008	.151	1586.0	49.90	5.02	2.3659	-.0992	-.6798	-.0215	.0011	-.0799
9009	.151	1578.2	9.91	4.86	.9183	-.0256	.2407	-.0196	-.0005	-.0515

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7 X 10 HIGH SPEED TUNNEL

TEST	23		RUN	45							
TP	MACH	Q	ALPHA	BETA	CL(SA)	CD(SA)	CPM(SA)	CRM(SA)	CYM(SA)	CSF(SA)	
		PA	DEG	DEG							
9010	.152	1587.5	9.86	10.00	.9130	.1408	.2281	-.0263	.0141	-.1518	
9011	.151	1567.8	14.71	9.97	1.2455	.2594	.2241	-.0472	.0091	-.1212	
9012	.151	1570.0	19.72	10.06	1.4380	.4811	.1772	-.0377	.0007	-.1025	
9013	.151	1571.1	24.79	10.12	1.6196	.6938	.0878	-.0403	.0009	-.1040	
9014	.150	1553.1	29.76	9.92	1.7962	.9680	-.0222	-.0357	.0016	-.1496	
9015	.149	1543.3	34.78	9.88	1.8385	1.2082	-.1833	-.0375	.0013	-.1629	
9016	.150	1554.9	39.69	9.91	1.8018	1.4077	-.3447	-.0414	.0113	-.1680	
9017	.151	1570.4	44.51	9.91	1.7469	1.5954	-.4625	-.0313	.0214	-.1868	
9018	.150	1560.9	49.68	10.07	1.6580	1.7864	-.5936	-.0284	.0236	-.2004	
9019	.150	1563.1	9.97	10.10	.9048	.1340	.2293	-.0258	.0135	-.1422	

TEST	23		RUN	45						
TP	MACH	Q	ALPHA	BETA	CNF(BA)	CAF(BA)	CPM(BA)	CRM(BA)	CYM(BA)	CSF(BA)
		PA	DEG	DEG						
9010	.152	1587.5	9.86	10.00	.9236	-.0176	.2281	-.0284	.0094	-.1518
9011	.151	1567.8	14.71	9.97	1.2705	-.0654	.2241	-.0480	-.0032	-.1212
9012	.151	1570.0	19.72	10.06	1.5160	-.0322	.1772	-.0357	-.0120	-.1025
9013	.151	1571.1	24.79	10.12	1.7613	-.0492	.0878	-.0370	-.0160	-.1040
9014	.150	1553.1	29.76	9.92	2.0398	-.0514	-.0222	-.0318	-.0164	-.1496
9015	.149	1543.3	34.73	9.98	2.1992	-.0562	-.1833	-.0316	-.0203	-.1629
9016	.150	1554.9	39.69	9.91	2.2855	-.0674	-.3447	-.0391	-.0178	-.1680
9017	.151	1570.4	44.51	9.91	2.3642	-.0867	-.4625	-.0373	-.0066	-.1868
9018	.150	1560.9	49.68	10.07	2.4348	-.1084	-.5936	-.0364	-.0064	-.2004
9019	.150	1563.1	9.97	10.10	.9143	-.0247	.2293	-.0277	.0088	-.1422

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TEST	23		RUN	46						
TP	MACH	Q	ALPHA	BETA	CL(SA)	CD(SA)	CPM(SA)	CRM(SA)	CYM(SA)	CSF(SA)
		PA	DEG	DEG						
9020	.151	1576.3	10.02	-4.87	.8981	.1370	.2357	-.0081	-.0173	.1180
9021	.151	1574.1	14.37	-5.06	1.2178	.2529	.1865	.0045	-.0099	.0891
9022	.151	1569.9	14.97	-4.99	1.4358	.4867	.1648	.0052	-.0034	.0680
9023	.151	1581.5	24.79	-4.84	1.6048	.6793	.0673	.0039	.0017	.0636
9024	.150	1548.4	29.67	-4.83	1.8086	.9661	-.0305	.0012	.0077	.0972
9025	.151	1572.1	34.86	-4.87	1.8218	1.2071	-.2104	.0155	.0095	.0780
9026	.151	1567.9	39.59	-5.12	1.7761	1.3891	-.3827	.0177	.0042	.0799
9027	.150	1559.6	44.69	-4.90	1.7093	1.5667	-.5304	.0166	.0039	.0649
9028	.150	1562.6	49.71	-4.90	1.5785	1.7158	-.6635	.0185	.0017	.0539
9029	.150	1565.0	9.81	-4.84	.8909	.1337	.2363	-.0083	-.0172	.1075

TEST	23		RUN	46						
TP	MACH	Q	ALPHA	BETA	CNF(BA)	CAF(BA)	CPM(BA)	CRM(BA)	CYM(BA)	CSF(BA)
		PA	DEG	DEG						
9020	.151	1576.3	10.02	-4.87	.9083	-.0213	.2357	-.0049	-.0185	.1180
9021	.151	1574.1	14.37	-5.06	1.2420	-.0681	.1865	.0069	-.0084	.0891
9022	.151	1569.9	14.97	-4.99	1.5157	-.0328	.1648	.0061	-.0014	.0680
9023	.151	1581.5	24.79	-4.84	1.7417	-.0562	.0673	.0028	.0032	.0636
9024	.150	1548.4	29.67	-4.83	2.0497	-.0557	-.0305	-.0028	.0073	.0972
9025	.151	1572.1	34.86	-4.87	2.1848	-.0507	-.2104	.0073	.0167	.0780
9026	.151	1567.9	39.59	-5.12	2.2555	-.0626	-.3827	.0110	.0145	.0799
9027	.150	1559.6	44.69	-4.90	2.3170	-.0883	-.5304	.0090	.0145	.0649
9028	.150	1562.6	49.71	-4.90	2.3295	-.0944	-.6635	.0107	.0152	.0539
9029	.150	1565.0	9.81	-4.84	.8908	-.0184	.2363	-.0053	-.0184	.1075

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7 X 10 HIGH SPEED TUNNEL

TEST TP	23 MACH	Q PA	RUN ALPHA DEG	47 BETA DEG	CL(SA)	CD(SA)	CPH(SA)	CRM(SA)	CYM(SA)	CSF(SA)
9041	.150	1565.0	10.02	-9.86	.8792	.1375	.2160	-.0012	-.0269	.1937
9042	.151	1578.0	14.75	-9.89	1.1883	.2528	.2115	.0192	-.0158	.1514
9043	.151	1582.9	19.88	-9.83	1.4356	.4818	.1676	.0188	-.0031	.1194
9044	.151	1568.7	24.85	-9.77	1.6256	.6940	.0723	.0196	.0020	.0933
9045	.150	1555.7	29.84	-10.11	1.7940	.9611	-.0275	.0228	.0075	.1347
9046	.148	1510.5	34.63	-9.94	1.8152	1.1834	-.1857	.0298	.0110	.1505
9047	.149	1543.8	39.69	-9.83	1.7665	1.3857	-.3361	.0398	.0038	.1394
9048	.150	1559.6	44.64	-9.92	1.6497	1.5642	-.4942	.0366	-.0030	.1420
9049	.150	1544.0	49.72	-9.76	1.6016	1.7363	-.6281	.0339	-.0087	.1482
9050	.150	1559.5	9.82	-9.88	.8674	.1402	.2128	-.0012	-.0272	.1793

TEST TP	23 MACH	Q PA	RUN ALPHA DEG	47 BETA DEG	CNF(BA)	CAF(BA)	CPH(BA)	CRM(BA)	CYM(BA)	CSF(BA)
9041	.150	1565.0	10.02	-9.86	.8897	-.0176	.2160	.0035	-.0267	.1937
9042	.151	1578.0	14.75	-9.89	1.2136	-.0580	.2115	.0226	-.0104	.1514
9043	.151	1582.9	19.88	-9.83	1.5138	-.0351	.1676	.0187	.0035	.1194
9044	.151	1568.7	24.85	-9.77	1.7667	-.0534	.0723	.0170	.0100	.0933
9045	.150	1555.7	29.84	-10.11	2.0343	-.0590	-.0275	.0161	.0179	.1347
9046	.148	1510.5	34.63	-9.94	2.1661	-.0578	-.1857	.0183	.0259	.1505
9047	.149	1543.8	39.69	-9.83	2.2458	-.0631	-.3361	.0281	.0283	.1394
9048	.150	1559.6	44.64	-9.92	2.3085	-.0814	-.4942	.0282	.0236	.1420
9049	.150	1544.0	49.72	-9.76	2.3601	-.0993	-.6281	.0286	.0202	.1482
9050	.150	1559.5	9.82	-9.88	.8786	-.0096	.2128	.0034	-.0271	.1793

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7 X 10 HIGH SPEED TUNNEL

TEST	23			RUN	48						
TP	MACH	Q	ALPHA	BETA	CL(SA)	CD(SA)	CPH(SA)	CRM(SA)	CYM(SA)	CSF(SA)	
		PA	DEG	DEG							
9051	.151	1575.4	11.96	-19.94	.9214	.1572	.1980	.0144	-.0418	.3485	
9052	.151	1576.3	14.95	-19.64	1.1147	.2440	.1903	.0307	-.0279	.3187	
9053	.152	1584.7	19.93	-19.71	1.3988	.4364	.1484	.0359	-.0094	.2566	
9054	.150	1564.5	24.63	-19.72	1.5439	.6283	.0835	.0320	.0095	.2044	
9055	.150	1548.9	29.81	-19.78	1.6827	.8626	-.0275	.0532	.0108	.2292	
9056	.150	1558.0	34.68	-19.71	1.7252	1.0950	-.1071	.0576	.0101	.2663	
9057	.150	1559.4	39.66	-19.66	1.6928	1.3039	-.2375	.0635	.0062	.2990	
9058	.150	1564.9	44.42	-19.69	1.6604	1.5085	-.3943	.0649	-.0088	.3204	
9059	.151	1568.2	47.43	-19.59	1.6042	1.6060	-.4603	.0660	-.0151	.3125	
9060	.151	1571.6	11.72	-19.81	.9027	.1432	.2017	.0136	-.0413	.3425	

TEST	23			RUN	48					
TP	MACH	Q	ALPHA	BETA	CNF(BA)	CAF(BA)	CPH(BA)	CRM(BA)	CYM(BA)	CSF(BA)
		PA	DEG	DEG						
9051	.151	1575.4	11.96	-19.94	.9340	-.0370	.1980	.0228	-.0379	.3485
9052	.151	1576.3	14.95	-19.64	1.1399	-.0516	.1903	.0368	-.0191	.3187
9053	.152	1589.7	19.93	-19.71	1.4638	-.0666	.1484	.0370	.0034	.2566
9054	.150	1564.5	24.63	-19.72	1.6653	-.0722	.0835	.0251	.0220	.2044
9055	.150	1548.9	29.81	-19.78	1.8987	-.0708	-.0275	.0408	.0358	.2292
9056	.150	1558.0	34.68	-19.71	2.0418	-.0811	-.1071	.0416	.0411	.2663
9057	.150	1559.4	39.66	-19.66	2.1354	-.0767	-.2375	.0449	.0453	.2990
9058	.150	1564.9	44.42	-19.69	2.2417	-.0847	-.3943	.0525	.0391	.3204
9059	.151	1568.2	47.43	-19.59	2.2680	-.0949	-.4603	.0558	.0384	.3125
9060	.151	1571.6	11.72	-19.81	.9129	-.0431	.2017	.0217	-.0377	.3425

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TEST	23		RUN	49						
TP	MACH	Q	ALPHA	BETA	CL(SA)	CD(SA)	CPH(SA)	CRM(SA)	CYM(SA)	CSF(SA)
		PA	DEG	DEG						
9063	.152	1599.3	9.80	.11	.7343	.1582	.4342	-.0097	-.0103	.0150
9064	.150	1561.1	14.85	.18	1.1075	.2607	.3887	-.0174	-.0081	.0079
9065	.150	1562.3	19.83	.13	1.2815	.4637	.3552	-.0065	-.0042	.0044
9066	.150	1561.1	24.75	.22	1.4624	.6537	.2686	-.0078	-.0008	-.0051
9067	.150	1552.3	29.80	.30	1.6696	.9192	.1656	-.0078	-.0000	-.0043
9068	.150	1564.5	34.72	-.08	1.7079	1.1343	-.0229	-.0079	.0037	.0108
9069	.150	1559.2	39.61	.33	1.6389	1.2738	-.2276	-.0091	.0046	-.0042
9070	.150	1556.6	44.65	.42	1.5673	1.4396	-.3630	-.0096	.0035	-.0177
9071	.148	1523.3	50.33	.52	1.4811	1.6235	-.4706	-.0057	.0065	-.0095
9072	.150	1549.7	9.93	.10	.7729	.1691	.4336	-.0099	-.0100	.0144

TEST	23		RUN	49						
TP	MACH	Q	ALPHA	BETA	CNF(BA)	CAF(BA)	CPH(BA)	CRM(BA)	CYM(BA)	CSF(BA)
		PA	DEG	DEG						
9063	.152	1599.3	9.80	.11	.7505	.0309	.4342	-.0078	-.0118	.0150
9064	.150	1561.1	14.85	.18	1.1373	-.0318	.3887	-.0148	-.0123	.0079
9065	.150	1562.3	19.83	.13	1.3628	.0016	.3552	-.0047	-.0062	.0044
9066	.150	1561.1	24.75	.22	1.6017	-.0185	.2686	-.0067	-.0039	-.0051
9067	.150	1552.3	29.80	.30	1.9057	-.0319	.1656	-.0068	-.0039	-.0043
9068	.150	1564.5	34.72	-.08	2.0499	-.0405	-.0229	-.0086	-.0015	.0108
9069	.150	1559.2	39.61	.33	2.0748	-.0635	-.2276	-.0099	-.0022	-.0042
9070	.150	1556.6	44.65	.42	2.1267	-.0774	-.3630	-.0093	-.0042	-.0177
9071	.148	1523.3	50.33	.52	2.1952	-.1038	-.4706	-.0087	-.0003	-.0095
9072	.150	1549.7	9.93	.10	.7905	.0332	.4336	-.0081	-.0116	.0144

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TEST	23		RUN	50						
TP	MACH	Q	ALPHA	BETA	CL(SA)	CD(SA)	CPM(SA)	CRM(SA)	CYM(SA)	CSF(SA)
		PA	DEG	DEG						
9073	.151	1573.0	10.09	-4.90	.7683	.1685	.4126	-.0044	-.0200	.1013
9074	.152	1586.1	14.80	-4.80	1.0642	.2691	.3823	.0073	-.0110	.0877
9075	.150	1559.9	19.91	-5.01	1.2949	.4704	.3586	.0072	-.0037	.0481
9076	.151	1577.7	24.78	-4.96	1.4882	.6631	.2706	.0075	.0003	.0500
9077	.150	1563.9	29.84	-5.05	1.6744	.9192	.1874	.0038	.0051	.0879
9078	.150	1555.6	34.78	-4.96	1.6973	1.1284	-.0120	.0116	.0088	.0809
9080	.151	1577.1	39.69	-5.11	1.6742	1.3108	-.2131	.0119	-.0001	.0779
9081	.150	1553.9	44.55	-5.00	1.6097	1.4696	-.3485	.0089	-.0009	.0797
9082	.150	1559.8	49.88	-4.90	1.5071	1.6220	-.4659	.0071	-.0036	.0756
9083	.150	1559.5	9.92	-4.93	.7459	.1625	.4157	-.0042	-.0198	.1192

TEST	23		RUN	50						
TP	MACH	Q	ALPHA	BETA	CNF(BA)	CAF(BA)	CPM(BA)	CRM(BA)	CYM(BA)	CSF(BA)
		PA	DEG	DEG						
9073	.151	1573.0	10.08	-4.90	.7859	.0315	.4126	-.0008	-.0205	.1015
9074	.152	1586.1	14.80	-4.80	1.0976	-.0116	.3823	.0099	-.0088	.0877
9075	.150	1559.9	19.91	-5.01	1.3777	.0013	.3586	.0080	-.0011	.0481
9076	.151	1577.7	24.78	-4.96	1.6291	-.0216	.2706	.0066	.0034	.0590
9077	.150	1563.9	29.84	-5.05	1.9097	-.0359	.1874	.0007	.0063	.0679
9078	.150	1555.6	34.78	-4.96	2.0378	-.0415	-.0120	.0045	.0139	.0809
9080	.151	1577.1	39.69	-5.11	2.1254	-.0606	-.2131	.0093	.0075	.0779
9081	.150	1553.9	44.55	-5.00	2.1781	-.0818	-.3485	.0070	.0056	.0797
9082	.150	1559.8	49.88	-4.90	2.2115	-.1073	-.4659	.0074	.0031	.0756
9083	.150	1559.5	9.92	-4.93	.7627	.0316	.4157	-.0007	-.0202	.1192

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7 X 10 HIGH SPEED TUNNEL

TEST TP	23 MACH	Q PA	RUN ALPHA DEG	51 BETA DEG	CL(SA)	CD(SA)	CPM(SA)	CRM(SA)	CYM(SA)	CSF(SA)
9084	.151	1573.6	9.81	-9.92	.7275	.1630	.3829	.0023	-.0284	.1953
9085	.150	1556.9	14.80	-9.92	1.0449	.2525	.3984	.0165	-.0176	.1644
9086	.150	1550.0	19.78	-10.03	1.2858	.4641	.3630	.0178	-.0019	.1178
9087	.149	1529.3	24.94	-9.96	1.4904	.6664	.2744	.0201	.0015	.1243
9088	.150	1561.1	29.80	-10.07	1.6467	.9035	.1889	.0216	.0059	.1406
9089	.151	1573.4	34.63	-10.04	1.6857	1.0987	.0450	.0237	.0089	.1540
9090	.150	1565.6	39.59	-9.90	1.6663	1.2969	-.1829	.0293	.0007	.1578
9091	.151	1569.1	44.62	-10.02	1.6101	1.4585	-.3121	.0243	-.0061	.1682
9092	.150	1549.0	49.71	-9.89	1.5417	1.6405	-.4588	.0193	-.0101	.1772
9093	.151	1580.4	9.83	-9.83	.7174	.1559	.3864	.0019	-.0281	.1898

TEST TP	23 MACH	Q PA	RUN ALPHA DEG	51 BETA DEG	CNF(BA)	CAF(BA)	CPM(BA)	CRM(BA)	CYM(BA)	CSF(BA)
9084	.151	1573.6	9.81	-9.92	.7446	.0366	.3829	.0071	-.0276	.1953
9085	.150	1556.9	14.80	-9.92	1.0748	-.0227	.3984	.0205	-.0128	.1644
9086	.150	1550.0	19.78	-10.03	1.3670	.0015	.3630	.0174	.0042	.1178
9087	.149	1529.3	24.94	-9.96	1.6324	-.0241	.2744	.0176	.0098	.1243
9088	.150	1561.1	29.80	-10.07	1.8797	-.0355	.1889	.0158	.0158	.1406
9089	.151	1573.4	34.63	-10.04	2.0115	-.0538	.0450	.0145	.0208	.1540
9090	.150	1565.6	39.59	-9.90	2.1106	-.0627	-.1829	.0221	.0192	.1578
9091	.151	1569.1	44.62	-10.02	2.1705	-.0928	-.3121	.0216	.0128	.1682
9092	.150	1549.0	49.71	-9.89	2.2483	-.1151	-.4588	.0202	.0082	.1772
9093	.151	1580.4	9.83	-9.88	.7335	.0311	.3864	.0067	-.0274	.1898

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TEST	23		RUN	52							
TP	MACH	Q	ALPHA	BETA	CL(SA)	CD(SA)	CPM(SA)	CRM(SA)	CYM(SA)	CSF(SA)	
		PA	DEG	DEG							
9094	.151	1572.7	10.01	-19.63	.6598	.1487	.3581	.0154	-.0419	.3587	
9095	.151	1575.7	14.75	-19.98	.9786	.2432	.3563	.0309	-.0295	.3315	
9096	.151	1572.7	19.69	-19.99	1.2453	.4273	.3373	.0325	-.0088	.2799	
9097	.152	1588.4	24.76	-20.00	1.4254	.6224	.2746	.0333	.0098	.2361	
9098	.151	1569.8	29.77	-20.12	1.5325	.8235	.1871	.0482	.0101	.2541	
9099	.151	1576.3	34.78	-19.65	1.5858	1.0383	.0331	.0528	.0085	.2840	
9100	.150	1552.7	39.67	-19.72	1.5881	1.2276	-.0764	.0558	.0027	.3295	
9101	.150	1562.8	44.35	-20.08	1.5643	1.3963	-.2335	.0542	-.0098	.3410	
9102	.151	1570.4	47.34	-19.74	1.5344	1.5069	-.3161	.0510	-.0151	.3160	
9103	.151	1579.4	10.13	-19.87	.6725	.1508	.3607	.0154	-.0424	.3511	

TEST	23		RUN	52						
TP	MACH	Q	ALPHA	BETA	CNF(BA)	CAF(BA)	CPM(BA)	CRM(BA)	CYM(BA)	CSF(BA)
		PA	DEG	DEG						
9094	.151	1572.7	10.01	-19.83	.6756	.0317	.3581	.0225	-.0386	.3587
9095	.151	1575.7	14.75	-19.98	1.0082	-.0139	.3583	.0374	-.0206	.3315
9096	.151	1572.7	19.69	-19.99	1.3193	-.0182	.3373	.0335	.0027	.2799
9097	.152	1588.4	24.76	-20.00	1.5550	-.0319	.2746	.0252	.0224	.2361
9098	.151	1569.8	29.77	-20.12	1.7391	-.0461	.1871	.0368	.0327	.2541
9099	.151	1576.3	34.78	-19.65	1.8948	-.0517	.0831	.0385	.0371	.2840
9100	.150	1552.7	39.67	-19.72	2.0061	-.0689	-.0764	.0412	.0377	.3295
9101	.150	1562.8	44.35	-20.08	2.0946	-.0950	-.2335	.0456	.0309	.3410
9102	.151	1570.4	47.34	-19.74	2.1479	-.1072	-.3161	.0456	.0273	.3360
9103	.151	1579.4	10.13	-19.87	.6885	.0302	.3607	.0226	-.0390	.3573

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TEST	23		RUN	53						
TP	MACH	Q PA	ALPHA DEG	BETA DEG	CL(SA)	CD(SA)	CPM(SA)	CRM(SA)	CYM(SA)	CSF(SA)
9104	.151	1572.9	10.06	4.99	.7811	.1702	.4361	-.0184	-.0001	-.0405
9105	.152	1596.8	14.73	4.96	1.0877	.2399	.4193	-.0293	-.0000	-.0315
9106	.149	1544.0	14.73	5.08	1.2775	.4622	.3708	-.0228	-.0014	-.0412
9107	.150	1554.3	24.78	5.03	1.4629	.6467	.2797	-.0259	-.0026	-.0300
9108	.149	1539.9	29.80	4.89	1.6672	.9180	.1813	-.0226	-.0046	-.0504
9109	.149	1536.6	34.74	4.86	1.7067	1.1331	-.0357	-.0277	-.0012	-.0638
9110	.150	1556.6	39.67	5.07	1.6800	1.3133	-.2049	-.0276	.0090	-.0686
9111	.150	1561.3	44.65	4.88	1.6064	1.4634	-.3489	-.0259	.0105	-.0760
9112	.151	1579.7	50.16	5.47	1.5142	1.6466	-.4599	-.0204	.0134	-.0765
9113	.150	1554.2	9.80	4.99	.7699	.1724	.4369	-.0187	-.0006	-.0414

TEST	23		RUN	53						
TP	MACH	Q PA	ALPHA DEG	BETA DEG	CNF(BA)	CAF(BA)	CPM(BA)	CRM(BA)	CYM(BA)	CSF(BA)
9104	.151	1572.9	10.06	4.99	.7988	.0311	.4361	-.0182	-.0033	-.0405
9105	.152	1596.8	14.73	4.96	1.1129	-.0446	.4193	-.0284	-.0075	-.0315
9106	.149	1544.0	14.73	5.08	1.3586	.0037	.3708	-.0210	-.0091	-.0412
9107	.150	1554.3	24.78	5.03	1.5993	-.0260	.2797	-.0225	-.0132	-.0300
9108	.149	1539.9	29.80	4.89	1.9030	-.0319	.1813	-.0173	-.0152	-.0504
9109	.149	1536.6	34.74	4.86	2.0482	-.0414	-.0357	-.0221	-.0167	-.0638
9110	.150	1556.6	39.67	5.07	2.1315	-.0616	-.2049	-.0270	-.0107	-.0686
9111	.150	1561.3	44.65	4.88	2.1747	-.0844	-.3489	-.0258	-.0107	-.0760
9112	.151	1579.7	50.16	5.47	2.2343	-.1087	-.4599	-.0233	-.0071	-.0765
9113	.150	1554.2	9.80	4.99	.7860	.0388	.4369	-.0184	-.0037	-.0414

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TEST	23		RUN	54							
TP	MACH	Q	ALPHA	BETA	CL(SA)	CD(SA)	CPH(SA)	CRM(SA)	CYM(SA)	CSF(SA)	
		PA	DEG	DEG							
9114	.150	1564.8	10.05	9.82	.7646	.1698	.4201	-.0242	.0087	-.1248	
9115	.150	1557.9	15.00	10.84	1.1135	.2792	.4206	-.0470	.0029	-.1272	
9116	.151	1573.2	19.97	10.05	1.3251	.4824	.3702	-.0385	-.0053	-.0716	
9117	.151	1570.5	24.93	9.93	1.4894	.6706	.2721	-.0384	-.0051	-.1003	
9118	.151	1571.0	29.84	10.00	1.6669	.9195	.1880	-.0399	-.0059	-.1142	
9119	.150	1556.4	34.88	10.08	1.7056	1.1308	-.0046	-.0418	-.0045	-.1374	
9120	.150	1561.3	39.73	10.10	1.7013	1.3254	-.1459	-.0437	.0067	-.1580	
9121	.148	1509.3	44.65	9.96	1.6490	1.5025	-.2730	-.0361	.0168	-.1713	
9122	.150	1546.7	49.73	9.81	1.5903	1.6915	-.4010	-.0336	.0206	-.1891	
9123	.148	1523.4	10.05	9.74	.7895	.1792	.4185	-.0250	.0089	-.1306	

TEST	23		RUN	54						
TP	MACH	Q	ALPHA	BETA	CNF(BA)	CAF(BA)	CPM(BA)	CRM(BA)	CYM(BA)	CSF(BA)
		PA	DEG	DEG						
9114	.150	1564.8	10.05	9.82	.7825	.0337	.4201	-.0253	.0044	-.1248
9115	.150	1557.9	15.00	10.84	1.1478	-.0185	.4206	-.0461	-.0093	-.1272
9116	.151	1573.2	19.97	10.05	1.4102	.0008	.3702	-.0344	-.0181	-.0716
9117	.151	1570.5	24.93	9.93	1.6333	-.0196	.2721	-.0327	-.0208	-.1003
9118	.151	1571.0	29.84	10.00	1.9035	-.0320	.1880	-.0316	-.0250	-.1142
9119	.150	1556.4	34.88	10.08	2.0458	-.0477	-.0046	-.0317	-.0277	-.1374
9120	.150	1561.3	39.73	10.10	2.1556	-.0683	-.1459	-.0379	-.0228	-.1580
9121	.148	1509.3	44.65	9.96	2.2240	-.0900	-.2730	-.0375	-.0134	-.1713
9122	.150	1546.7	49.73	9.81	2.3186	-.1201	-.4010	-.0375	-.0124	-.1891
9123	.148	1523.4	10.05	9.74	.8087	.0387	.4185	-.0262	.0044	-.1306

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TEST	23		RUN	55							
TP	MACH	Q	ALPHA	BETA	CL(SA)	CD(SA)	CPM(SA)	CRM(SA)	CYM(SA)	CSF(SA)	
		PA	DEG	DEG							
9137	.150	1578.8	.16	.00	.2565	.0565	-.0688	-.0194	-.0080	.0293	
9138	.150	1561.7	9.86	-.01	1.1491	.1643	-.1015	-.0228	-.0043	.0328	
9139	.151	1585.8	14.77	-.02	1.4649	.3141	-.1354	-.0250	-.0009	.0296	
9140	.150	1559.2	19.67	-.04	1.5845	.5445	-.1479	-.0115	.0053	.0132	
9141	.151	1581.1	24.93	.01	1.8125	.8235	-.1996	-.0068	.0124	-.0036	
9142	.150	1575.5	29.88	.03	1.9489	1.1056	-.2652	-.0000	.0134	-.0115	
9143	.149	1542.3	34.65	.00	1.9661	1.3467	-.3551	.0084	.0120	-.0300	
9144	.149	1538.6	39.54	-.15	1.8768	1.5331	-.4913	.0161	.0146	-.0520	
9145	.150	1574.9	44.70	.00	1.7774	1.7243	-.6568	.0238	.0172	-.0724	
9146	.152	1617.2	50.34	.08	1.6328	1.9106	-.7784	.0260	.0172	-.0742	
9147	.151	1585.3	.17	.00	.2574	.0581	-.0698	-.0190	-.0080	.0385	

TEST	23		RUN	55						
TP	MACH	Q	ALPHA	BETA	CNF(BA)	CAF(BA)	CPM(BA)	CRM(BA)	CYM(BA)	CSF(BA)
		PA	DEG	DEG						
9137	.150	1578.8	.16	.00	.2566	.0578	-.0688	-.0194	-.0081	.0293
9138	.150	1561.7	9.86	-.01	1.1602	-.0348	-.1015	-.0217	-.0081	.0328
9139	.151	1585.8	14.77	-.02	1.4966	-.0697	-.1354	-.0239	-.0072	.0296
9140	.150	1559.2	19.67	-.04	1.6753	-.0206	-.1479	-.0127	.0011	.0132
9141	.151	1581.1	24.93	.01	1.9907	-.0172	-.1996	-.0114	.0084	-.0036
9142	.150	1575.5	29.88	.03	2.2407	-.0123	-.2652	-.0067	.0116	-.0115
9143	.149	1542.3	34.65	.00	2.3831	-.0099	-.3551	.0001	.0146	-.0300
9144	.149	1538.6	39.54	-.15	2.4249	-.0138	-.4913	.0032	.0215	-.0520
9145	.150	1574.9	44.70	.00	2.4763	-.0246	-.6568	.0048	.0289	-.0724
9146	.152	1617.2	50.34	.08	2.5130	-.0374	-.7784	.0034	.0311	-.0742
9147	.151	1585.3	.17	.00	.2576	.0574	-.0698	-.0189	-.0080	.0385

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TEST TP	23 MACH	Q PA	RUN 56 ALPHA DEG	BETA DEG	CL(SA)	CD(SA)	CPM(SA)	CRM(SA)	CYM(SA)	CSF(SA)
9148	.150	1575.2	10.13	4.94	1.1725	.1700	-.1021	-.0297	.0069	-.0380
9149	.150	1578.9	15.04	5.00	1.4689	.3365	-.1319	-.0459	.0084	-.0380
9150	.150	1561.7	19.75	4.81	1.6147	.5667	-.1183	-.0234	.0114	-.0576
9151	.150	1571.0	24.72	4.84	1.7805	.8025	-.1522	-.0176	.0124	-.0756
9152	.149	1551.1	29.60	5.05	1.9267	1.0755	-.1831	-.0074	.0108	-.0973
9153	.151	1583.3	34.72	4.78	1.9136	1.3195	-.3296	-.0077	.0128	-.1295
9154	.150	1573.5	39.64	5.02	1.8523	1.5187	-.4713	-.0042	.0195	-.1409
9155	.150	1575.3	44.73	4.84	1.7694	1.7123	-.5793	.0051	.0205	-.1622
9156	.153	1620.6	49.97	5.32	1.6363	1.8956	-.7272	.0094	.0263	-.1460
9157	.150	1570.2	10.03	4.87	1.1655	.1673	-.1010	-.0298	.0068	-.0580

TEST TP	23 MACH	Q PA	RUN 56 ALPHA DEG	BETA DEG	CNF(BA)	CAF(BA)	CPM(BA)	CRM(BA)	CYM(BA)	CSF(BA)
9148	.150	1575.2	10.13	4.94	1.1842	-.0388	-.1021	-.0304	.0015	-.0380
9149	.150	1578.9	15.04	5.00	1.5059	-.0562	-.1319	-.0465	-.0037	-.0380
9150	.150	1561.7	19.75	4.81	1.7112	-.0122	-.1183	-.0259	.0028	-.0576
9151	.150	1571.0	24.72	4.84	1.9529	-.0156	-.1522	-.0212	.0039	-.0756
9152	.149	1551.1	29.60	5.05	2.2064	-.0166	-.1831	-.0117	.0057	-.0973
9153	.151	1583.3	34.72	4.78	2.3244	-.0055	-.3296	-.0136	.0062	-.1295
9154	.150	1573.5	39.64	5.02	2.3953	-.0122	-.4713	-.0159	.0126	-.1409
9155	.150	1575.3	44.73	4.84	2.4621	-.0287	-.5793	-.0109	.0182	-.1622
9156	.153	1620.6	49.97	5.32	2.5039	-.0336	-.7272	-.0141	.0241	-.1460
9157	.150	1570.2	10.03	4.87	1.1768	-.0382	-.1010	-.0306	.0015	-.0580

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TEST	23		RUN	57							
TP	MACH	Q PA	ALPHA DEG	BETA DEG	CL(SA)	CD(SA)	CPM(SA)	CRM(SA)	CYM(SA)	CSF(SA)	
9158	.150	1566.1	10.10	10.03	1.1345	.1597	-.1029	-.0364	.0184	-.1307	
9159	.150	1573.9	14.98	9.85	1.4491	.3419	-.1064	-.0545	.0109	-.1142	
9160	.151	1591.7	19.87	9.89	1.6141	.5669	-.0771	-.0357	.0120	-.1056	
9161	.151	1581.4	24.80	10.10	1.7759	.8007	-.1290	-.0312	.0117	-.1344	
9162	.150	1564.7	29.74	10.05	1.9066	1.0611	-.1890	-.0215	.0123	-.1812	
9163	.147	1512.3	34.53	10.03	1.9443	1.3338	-.2699	-.0201	.0140	-.2115	
9164	.151	1579.2	39.43	10.02	1.8193	1.4710	-.3887	-.0226	.0185	-.2206	
9165	.151	1593.0	44.51	10.00	1.7599	1.6998	-.5293	-.0157	.0261	-.2399	
9166	.149	1556.2	49.79	10.04	1.6493	1.8953	-.6004	-.0096	.0307	-.2525	
9167	.151	1581.6	9.92	9.77	1.1423	.1649	-.1015	-.0359	.0184	-.1420	
TEST	23		RUN	57							
TP	MACH	Q PA	ALPHA DEG	BETA DEG	CNF(BA)	CAF(BA)	CPM(BA)	CRM(BA)	CYM(BA)	CSF(BA)	
9158	.150	1566.1	10.10	10.03	1.1449	-.0417	-.1029	-.0391	.0118	-.1307	
9159	.150	1573.9	14.98	9.85	1.4883	-.0443	-.1064	-.0554	-.0035	-.1142	
9160	.151	1591.7	19.87	9.89	1.7107	-.0154	-.0771	-.0377	-.0006	-.1056	
9161	.151	1581.4	24.80	10.10	1.9480	-.0180	-.1290	-.0333	-.0025	-.1344	
9162	.150	1564.7	29.74	10.05	2.1819	-.0245	-.1890	-.0248	.0000	-.1812	
9163	.147	1512.3	34.83	10.03	2.3578	-.0156	-.2699	-.0245	.0000	-.2115	
9164	.151	1579.2	39.43	10.02	2.3395	-.0194	-.3887	-.0292	-.0000	-.2206	
9165	.151	1593.0	44.51	10.00	2.4467	-.0214	-.5293	-.0295	.0076	-.2399	
9166	.149	1556.2	49.79	10.04	2.5121	-.0359	-.6004	-.0297	.0125	-.2525	
9167	.151	1581.6	9.92	9.77	1.1536	-.0344	-.1015	-.0385	.0119	-.1420	

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TEST	23		RUN	5H							
TP	MACH	Q	ALPHA	BETA	CL(SA)	CD(SA)	CPM(SA)	CRM(SA)	CYM(SA)	CSF(SA)	
		PA	DEG	DEG							
9168	.153	1627.6	9.98	-5.08	1.1485	.1689	-.1196	-.0161	-.0164	.1180	
9169	.151	1589.7	14.80	-5.01	1.4193	.3110	-.1525	.0004	-.0077	.0913	
9170	.150	1570.7	19.82	-4.89	1.6319	.5562	-.1463	-.0001	.0008	.0632	
9171	.150	1567.0	24.96	-5.01	1.8228	.8216	-.2278	.0057	.0069	.0601	
9172	.149	1544.2	29.71	-5.07	1.9630	1.0689	-.2816	.0067	.0123	.0810	
9173	.150	1558.7	34.74	-4.81	1.9607	1.3462	-.3880	.0241	.0147	.0684	
9174	.150	1565.6	39.74	-5.08	1.8919	1.5492	-.4911	.0381	.0104	.0227	
9175	.149	1554.3	44.77	-5.11	1.8189	1.7594	-.5750	.0390	.0058	.0163	
9176	.149	1553.3	50.36	-4.88	1.6537	1.9331	-.7832	.0400	.0102	.0090	
9177	.151	1582.8	10.03	-4.84	1.1476	.1675	-.1159	-.0168	-.0157	.1368	

TEST	23		RUN	58						
TP	MACH	Q	ALPHA	BETA	CNF(BA)	CAF(BA)	CPM(BA)	CRM(BA)	CY.(BA)	CSF(BA)
		PA	DEG	DEG						
9168	.153	1627.6	9.98	-5.08	1.1604	-.0327	-.1196	-.0131	-.0189	.1180
9169	.151	1589.7	14.80	-5.01	1.4516	-.0618	-.1525	.0024	-.0074	.0913
9170	.150	1570.7	19.82	-4.89	1.7238	-.0300	-.1463	-.0004	.0007	.0632
9171	.150	1567.0	24.96	-5.01	1.9992	-.0244	-.2278	.0023	.0086	.0601
9172	.149	1544.2	29.71	-5.07	2.2446	-.0272	-.2816	-.0002	.0140	.0810
9173	.150	1558.7	34.74	-4.81	2.3784	-.0112	-.3880	.0114	.0258	.0684
9174	.150	1565.6	39.74	-5.08	2.4451	-.0184	-.4911	.0226	.0323	.0227
9175	.149	1554.3	44.77	-5.11	2.5304	-.0320	-.5750	.0235	.0316	.0163
9176	.149	1553.3	50.36	-4.88	2.5436	-.0404	-.7832	.0177	.0373	.0090
9177	.151	1582.8	10.03	-4.84	1.1592	-.0350	-.1159	-.0138	-.0184	.1368

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7 X 10 HIGH SPEED TUNNEL

TEST	23		RUN	59						
TP	MACH	Q PA	ALPHA DEG	BETA DEG	CL(SA)	CD(SA)	CPM(SA)	CRM(SA)	CYM(SA)	CSF(SA)
9178	.151	1583.0	10.25	-9.88	1.1369	.1684	-.1332	-.0090	-.0268	.2286
9179	.151	1586.0	14.87	-9.92	1.4007	.3178	-.1529	.0133	-.0115	.1709
9180	.150	1566.2	19.86	-10.04	1.6694	.5730	-.1723	.0124	-.0029	.1457
9181	.150	1577.0	24.68	-9.97	1.8061	.7837	-.2323	.0148	.0034	.1323
9182	.147	1516.9	29.64	-9.85	1.9678	1.0925	-.3055	.0207	.0109	.1643
9183	.146	1486.1	34.83	-9.90	1.9841	1.3560	-.4033	.0336	.0143	.1561
9184	.149	1557.9	39.74	-9.79	1.8956	1.5471	-.4926	.0541	.0104	.1112
9185	.151	1580.8	44.61	-9.95	1.8171	1.7346	-.5604	.0539	.0014	.1063
9186	.151	1590.1	49.86	-10.06	1.6629	1.9145	-.6445	.0494	.0097	.1347
9187	.151	1587.5	9.80	-10.06	1.0944	.1604	-.1292	-.0095	-.0272	.2204

TEST	23		RUN	59						
TP	MACH	Q PA	ALPHA DEG	BETA DEG	CNF(BA)	CAF(BA)	CPM(BA)	CRM(BA)	CYM(BA)	CSF(BA)
9178	.151	1583.0	10.25	-9.88	1.1487	-.0365	-.1332	-.0041	-.0280	.2286
9179	.151	1586.0	14.87	-9.92	1.4353	-.0524	-.1529	.0158	-.0077	.1709
9180	.150	1566.2	19.86	-10.04	1.7648	-.0281	-.1723	.0127	.0014	.1457
9181	.150	1577.0	24.68	-9.97	1.9684	-.0420	-.2323	.0121	.0093	.1323
9182	.147	1516.9	29.64	-9.85	2.2506	-.0236	-.3055	.0126	.0198	.1643
9183	.146	1486.1	34.83	-9.90	2.4031	-.0202	-.4033	.0194	.0310	.1561
9184	.149	1557.9	39.74	-9.79	2.4467	-.0221	-.4926	.0349	.0426	.1112
9185	.151	1580.8	44.61	-9.85	2.5118	-.0413	-.5604	.0374	.0389	.1063
9186	.151	1590.1	49.86	-10.06	2.5355	-.0371	-.6445	.0245	.0440	.1347
9187	.151	1587.5	9.80	-10.06	1.1058	-.0281	-.1292	-.0047	-.0284	.2204

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7 X 10 HIGH SPEED TUNNEL

TEST TP	23 MACH	Q PA	RUN 60 ALPHA DEG	BETA DEG	CL(SA)	CD(SA)	CPM(SA)	CRM(SA)	CYM(SA)	CSF(SA)
9188	.151	1580.7	9.84	-19.88	.9848	.1426	-.1150	.0019	-.0428	.3904
9189	.150	1578.0	14.92	-19.95	1.3346	.2967	-.1287	.0301	-.0267	.3656
9190	.151	1579.2	19.95	-20.02	1.6171	.5250	-.1887	.0331	-.0070	.3013
9191	.149	1547.1	24.69	-19.75	1.7696	.7504	-.2458	.0358	.0085	.2494
9192	.150	1573.2	29.81	-19.74	1.8589	1.0033	-.3189	.0511	.0116	.2549
9193	.150	1567.0	34.58	-19.72	1.8770	1.2408	-.3485	.0630	.0112	.2756
9194	.152	1603.0	40.52	-19.86	1.7705	1.4651	-.4229	.0726	.0055	.3014
9195	.151	1584.2	44.75	-19.86	1.7040	1.6337	-.4609	.0719	-.0038	.3054
9196	.150	1568.9	47.24	-20.40	1.6523	1.7227	-.4825	.0716	-.0076	.3205
9197	.151	1565.7	10.10	-19.95	1.0089	.1530	-.1152	.0035	-.0430	.3993

TEST TP	23 MACH	Q PA	RUN 60 ALPHA DEG	BETA DEG	CNF(BA)	CAF(BA)	CPM(BA)	CRM(BA)	CYM(BA)	CSF(BA)
9188	.151	1580.7	9.84	-19.88	.9948	-.0276	-.1150	.0092	-.0419	.3904
9189	.150	1578.0	14.92	-19.95	1.3660	-.0569	-.1287	.0359	-.0181	.3656
9190	.151	1579.2	19.95	-20.02	1.6991	-.0584	-.1887	.0335	.0048	.3013
9191	.149	1547.1	24.69	-19.75	1.9212	-.0573	-.2458	.0289	.0226	.2494
9192	.150	1573.2	29.81	-19.74	2.1117	-.0537	-.3189	.0386	.0355	.2549
9193	.150	1567.0	34.58	-19.72	2.2496	-.0437	-.3495	.0455	.0450	.2756
9194	.152	1603.0	40.52	-19.86	2.2978	-.0367	-.4229	.0516	.0514	.3014
9195	.151	1584.2	44.75	-19.86	2.3603	-.0396	-.4609	.0538	.0479	.3054
9196	.150	1568.9	47.24	-20.40	2.3866	-.0436	-.4825	.0542	.0474	.3205
9197	.151	1565.7	10.10	-19.95	1.0201	-.0263	-.1152	.0110	-.0417	.3993

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7 X 10 HIGH SPEED TUNNEL

TEST TP	23 MACH	Q PA	RUN 61 ALPHA DEG	BETA DEG	CL(SA)	CD(SA)	CPM(SA)	CRM(SA)	CYM(SA)	CSF(SA)
9201	.151	1582.2	.09	.02	.0355	.0931	.2316	-.0156	-.0176	.0396
9202	.150	1562.6	9.81	-.01	.9024	.1477	.2388	-.0222	-.0125	.0383
9203	.150	1576.1	14.85	-.03	1.2420	.2382	.2024	-.0283	-.0091	.0354
9204	.150	1576.6	19.72	-.01	1.4120	.4828	.1521	-.0159	-.0020	.0172
9205	.149	1547.9	24.87	-.02	1.6252	.7148	.0712	-.0177	.0068	.0103
9206	.151	1585.5	29.62	-.04	1.7748	.9537	-.0230	-.0151	.0088	.0147
9207	.148	1529.7	34.65	-.05	1.8326	1.2182	-.1606	-.0070	.0137	.0040
9208	.151	1594.7	39.72	-.07	1.7538	1.3853	-.3668	-.0007	.0143	-.0072
9209	.149	1540.1	44.49	-.06	1.6098	1.4971	-.5402	-.0074	.0145	-.0095
9210	.148	1534.7	50.43	-.01	1.5552	1.7571	-.5390	.0209	.0210	-.0655
9211	.151	1583.3	.11	.02	.0342	.0942	.2341	-.0152	-.0178	.0419

TEST TP	23 MACH	Q PA	RUN 61 ALPHA DEG	BETA DEG	CNF(BA)	CAF(BA)	CPM(BA)	CRM(BA)	CYM(BA)	CSF(BA)
9201	.151	1582.2	.09	.02	.0356	.0931	.2316	-.0155	-.0176	.0396
9202	.150	1562.6	9.81	-.01	.9143	-.0082	.2388	-.0197	-.0161	.0383
9203	.150	1576.1	14.85	-.03	1.2615	-.0880	.2024	-.0251	-.0161	.0354
9204	.150	1576.6	19.72	-.01	1.4921	-.0220	.1521	-.0143	-.0073	.0172
9205	.149	1547.9	24.87	-.02	1.7751	-.0350	.0712	-.0189	-.0013	.0103
9206	.151	1585.5	29.62	-.06	2.0142	-.0480	-.0230	-.0175	.0002	.0147
9207	.148	1529.7	34.65	-.05	2.2002	-.0394	-.1606	-.0136	.0073	.0040
9208	.151	1594.7	39.72	-.07	2.2343	-.0553	-.3668	-.0097	.0106	-.0072
9209	.149	1540.1	44.49	-.06	2.1975	-.0602	-.5402	-.0105	.0100	-.0095
9210	.148	1534.7	50.43	-.01	2.3452	-.0794	-.5390	-.0024	.0295	-.0655
9211	.151	1583.3	.11	.02	.0344	.0941	.2341	-.0151	-.0179	.0419

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7 X 10 HIGH SPEED TUNNEL

TEST TP	23 MACH	Q PA	RUN 62 ALPHA DEG	BETA DEG	CL(SA)	CD(SA)	CPM(SA)	CRM(SA)	CYM(SA)	CSF(SA)
9212	.149	1553.2	10.03	5.00	.9002	.1437	.2431	-.0297	-.0021	-.0267
9213	.152	1549.5	14.72	4.96	1.2446	.2543	.2181	-.0449	-.0003	-.0257
9214	.151	1580.2	19.79	4.99	1.4120	.4682	.1700	-.0317	.0019	-.0224
9215	.150	1572.5	24.81	4.98	1.6198	.7158	.0818	-.0330	.0049	-.0342
9216	.151	1586.2	29.85	5.04	1.7930	.9794	.0005	-.0274	.0060	-.0574
9217	.150	1564.6	34.90	5.09	1.8315	1.2200	-.1730	-.0280	.0100	-.0693
9218	.149	1553.4	39.72	5.15	1.7574	1.3954	-.3714	-.0218	.0199	-.0814
9219	.150	1576.7	44.71	4.80	1.6447	1.5464	-.4378	-.0046	.0262	-.1135
9220	.151	1590.8	50.30	5.09	1.5661	1.7624	-.5159	.0040	.0296	-.1297
9221	.155	1674.9	10.02	4.96	.9018	.1435	.2436	-.0296	-.0024	-.0263

TEST TP	23 MACH	Q PA	RUN 62 ALPHA DEG	BETA DEG	CNF(BA)	CAF(BA)	CPM(BA)	CRM(BA)	CYM(BA)	CSF(BA)
9212	.149	1553.2	10.03	5.00	.9115	-.0152	.2431	-.0289	-.0073	-.0267
9213	.152	1549.5	14.72	4.96	1.2683	-.0702	.2181	-.0434	-.0117	-.0257
9214	.151	1580.2	19.79	4.99	1.4939	-.0186	.1700	-.0304	-.0089	-.0224
9215	.150	1572.5	24.81	4.98	1.7767	-.0300	.0818	-.0320	-.0094	-.0342
9216	.151	1586.2	29.85	5.04	2.0428	-.0426	.0005	-.0268	-.0085	-.0574
9217	.150	1569.6	34.90	5.09	2.2002	-.0472	-.1730	-.0287	-.0078	-.0693
9218	.149	1553.4	39.72	5.15	2.2435	-.0497	-.3714	-.0295	.0014	-.0814
9219	.150	1576.7	44.71	4.80	2.2567	-.0532	-.4378	-.0217	.0154	-.1135
9220	.151	1590.8	50.30	5.09	2.3567	-.0787	-.5159	-.0202	.0220	-.1297
9221	.155	1674.9	10.02	4.96	.9130	-.0157	.2436	-.0267	-.0075	-.0263

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7 X 10 HIGH SPEED TUNNEL

TEST	23		RUN	63							
TP	MACH	Q	ALPHA	BETA	CL(SA)	CD(SA)	CPM(SA)	CRM(SA)	CYM(SA)	CSF(SA)	
		PA	DEG	DEG							
9222	.152	1603.6	9.88	9.87	.8979	.1496	.2339	-.0355	.0084	-.1207	
9223	.151	1581.8	14.83	10.08	1.2375	.2739	.2252	-.0573	.0032	-.1100	
9224	.150	1567.2	19.59	9.74	1.4175	.4835	.1850	-.0433	.0005	-.0840	
9225	.150	1566.9	24.55	9.86	1.6051	.7007	.0377	-.0469	.0022	-.0901	
9226	.150	1561.8	29.79	9.96	1.7919	.9851	-.0040	-.0429	.0049	-.1291	
9227	.150	1562.4	34.82	9.94	1.8354	1.2240	-.1485	-.0416	.0091	-.1419	
9228	.151	1575.3	39.68	9.91	1.7773	1.3947	-.2931	-.0400	.0171	-.1613	
9229	.151	1579.1	44.55	10.09	1.7205	1.5835	-.4104	-.0303	.0279	-.1839	
9230	.150	1567.9	49.74	10.12	1.6112	1.7658	-.4670	-.0175	.0281	-.2107	
9231	.151	1580.9	9.84	10.04	.8790	.1404	.2357	-.0352	.0080	-.1172	

TEST	23		RUN	63						
TP	MACH	Q	ALPHA	BETA	CNF(BA)	CAF(BA)	CPM(BA)	CRM(BA)	CYM(BA)	CSF(BA)
		PA	DEG	DEG						
9222	.152	1603.6	9.88	9.87	.9102	-.0067	.2339	-.0364	.0022	-.1207
9223	.151	1581.8	14.83	10.08	1.2664	-.0519	.2252	-.0562	-.0116	-.1100
9224	.150	1567.2	19.59	9.74	1.4476	-.0198	.1850	-.0410	-.0141	-.0840
9225	.150	1566.9	24.55	9.86	1.7512	-.0297	.0377	-.0436	-.0175	-.0901
9226	.150	1561.8	29.79	9.96	2.0445	-.0354	-.0040	-.0397	-.0171	-.1291
9227	.150	1562.4	34.82	9.94	2.2057	-.0432	-.1485	-.0393	-.0163	-.1419
9228	.151	1578.3	39.68	9.91	2.2564	-.0614	-.2931	-.0417	-.0124	-.1613
9229	.151	1579.1	44.55	10.09	2.3370	-.0784	-.4104	-.0411	-.0014	-.1839
9230	.150	1567.9	49.74	10.12	2.3858	-.0892	-.4670	-.0326	.0048	-.2107
9231	.151	1580.9	9.84	10.04	.8901	-.0119	.2357	-.0361	.0019	-.1172

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7 X 10 HIGH SPEED TUNNEL

TEST	23		RUN	64							
TP	MACH	Q PA	ALPHA DEG	BETA DEG	CL(SA)	CD(SA)	CPM(SA)	CRM(SA)	CYM(SA)	CSF(SA)	
9244	.150	1572.4	9.81	-5.02	.8820	.1468	.2196	-.0159	-.0228	.1122	
9245	.150	1568.1	14.81	-5.11	1.2067	.2727	.1318	.0002	-.0120	.0883	
9246	.151	1573.3	19.86	-5.11	1.4386	.4907	.1603	-.0037	-.0040	.0805	
9247	.151	1585.1	24.87	-5.03	1.6098	.6937	.0621	-.0036	.0034	.0696	
9248	.149	1541.5	29.92	-4.83	1.8316	.9988	-.0327	-.0044	.0116	.0835	
9249	.151	1575.6	34.85	-4.88	1.8184	1.2025	-.1826	.0082	.0184	.0862	
9250	.150	1572.2	39.84	-5.10	1.7587	1.3976	-.3323	.0204	.0109	.0553	
9251	.151	1574.2	44.77	-5.06	1.7016	1.5895	-.3785	.0317	.0106	.0185	
9252	.151	1575.0	50.22	-4.96	1.5356	1.7120	-.6156	.0187	.0061	.0594	
9253	.151	1587.4	10.08	-4.81	.8887	.1418	.2237	-.0164	-.0221	.1202	

TEST	23		RUN	64						
TP	MACH	Q PA	ALPHA DEG	BETA DEG	CNF(BA)	CAF(BA)	CPM(BA)	CRM(BA)	CYM(BA)	CSF(BA)
9244	.150	1572.4	9.81	-5.02	.8941	-.0056	.2196	-.0118	-.0252	.1122
9245	.150	1568.1	14.81	-5.11	1.2363	-.0448	.1818	.0033	-.0115	.0883
9246	.151	1573.3	19.86	-5.11	1.5148	-.0273	.1603	-.0021	-.0050	.0805
9247	.151	1585.1	24.87	-5.03	1.7523	-.0476	.0621	-.0047	.0015	.0696
9248	.149	1541.5	29.92	-4.83	2.0857	-.0476	-.0327	-.0096	.0079	.0835
9249	.151	1575.6	34.85	-4.88	2.1794	-.0524	-.1826	-.0038	.0198	.0862
9250	.150	1572.2	39.84	-5.10	2.2458	-.0537	-.3323	.0087	.0214	.0553
9251	.151	1574.2	44.77	-5.06	2.3274	-.0700	-.3785	.0150	.0298	.0185
9252	.151	1575.0	50.22	-4.96	2.2982	-.0849	-.6156	.0073	.0182	.0594
9253	.151	1587.8	10.08	-4.81	.6998	-.0159	.2237	-.0123	-.0246	.1202

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TEST TP	23 MACH	Q PA	RUN 65 ALPHA DEG	BETA DEG	CL(SA)	CD(SA)	CPH(SA)	CRM(SA)	CYM(SA)	CSF(SA)
9254	.151	1588.5	9.93	-9.73	.8754	.1492	.1943	-.0085	-.0319	.2013
9255	.150	1565.7	14.96	-10.04	1.1794	.2819	.1868	.0142	-.0130	.1747
9256	.151	1580.5	19.81	-10.04	1.4411	.4864	.1578	.0097	-.0042	.1386
9257	.151	1578.0	24.90	-9.68	1.6237	.7000	.0614	.0080	.0029	.1420
9258	.151	1585.1	29.79	-10.01	1.7838	.9540	-.0255	.0102	.0098	.1687
9259	.149	1549.7	34.89	-9.95	1.9172	1.2040	-.1875	.0224	.0150	.1702
9260	.151	1574.3	39.53	-10.00	1.7616	1.3795	-.2998	.0373	.0106	.1432
9261	.150	1564.1	44.58	-9.73	1.7025	1.5826	-.3794	.0435	.0054	.1235
9262	.150	1553.1	49.77	-10.06	1.5820	1.7270	-.5776	.0324	-.0015	.1594
9263	.150	1566.3	9.99	-9.81	.8748	.1473	.1971	-.0088	-.0319	.2145

TEST TP	23 MACH	Q PA	RUN 65 ALPHA DEG	BETA DEG	CHF(BA)	CAF(BA)	CPH(BA)	CRM(BA)	CYM(BA)	CSF(BA)
9254	.151	1588.5	9.93	-9.73	.8880	-.0040	.1943	-.0029	-.0329	.2013
9255	.150	1565.7	14.96	-10.04	1.2121	-.0321	.1868	.0171	-.0089	.1747
9256	.151	1580.5	19.81	-10.04	1.5206	-.0309	.1578	.0106	-.0007	.1386
9257	.151	1578.0	24.90	-9.68	1.7675	-.0488	.0614	.0060	.0060	.1420
9258	.151	1585.1	29.79	-10.01	2.0221	-.0581	-.0255	.0040	.0136	.1687
9259	.149	1549.7	34.89	-9.95	2.1793	-.0519	-.1875	.0098	.0252	.1702
9260	.151	1574.3	39.53	-10.00	2.2367	-.0573	-.2998	.0221	.0319	.1432
9261	.150	1564.1	44.58	-9.93	2.3234	-.0679	-.3794	.0272	.0344	.1235
9262	.150	1553.1	49.77	-10.06	2.3402	-.0923	-.5776	.0221	.0238	.1594
9263	.150	1566.3	9.99	-9.91	.8871	-.0067	.1971	-.0031	-.0329	.2145

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TEST TP	23	MACH	Q PA	RUN 66 ALPHA DEG	BETA DEG	CL(SA)	CD(SA)	CPH(SA)	CRM(SA)	CYM(SA)	CSF(SA)
9264	.152	1598.6	9.98	-19.90	.7828	.1334	.1717	.0038	-.0475	.3830	
9265	.150	1572.5	14.79	-19.67	1.1135	.2488	.1775	.0249	-.0307	.3509	
9266	.151	1582.4	19.95	-19.89	1.3930	.4442	.1357	.0241	-.0089	.2920	
9267	.151	1577.4	24.96	-19.75	1.5726	.6632	.0636	.0282	.0071	.2448	
9268	.150	1565.4	29.87	-19.75	1.6851	.8857	-.0197	.0403	.0135	.2715	
9269	.151	1584.4	34.66	-19.88	1.7280	1.1026	-.1034	.0504	.0142	.2904	
9270	.150	1563.3	39.83	-19.74	1.6960	1.3174	-.2302	.0589	.0115	.3052	
9271	.151	1572.4	44.63	-19.74	1.6505	1.5057	-.3670	.0634	-.0018	.3078	
9272	.151	1572.1	47.42	-20.01	1.6192	1.6267	-.3972	.0694	-.0056	.3005	
9273	.151	1575.5	49.89	-19.95	.7797	.1310	.1752	.0045	-.0478	.3870	

TEST TP	23	MACH	Q PA	RUN 66 ALPHA DEG	BETA DEG	CNF(BA)	CAF(BA)	CPH(BA)	CRM(BA)	CYM(BA)	CSF(BA)
9264	.152	1598.6	9.98	-19.90	.7941	-.0043	.1717	.0120	-.0461	.3830	
9265	.150	1572.5	14.79	-19.67	1.1401	-.0436	.1775	.0319	-.0233	.3509	
9266	.151	1582.4	19.95	-19.39	1.4610	-.0578	.1357	.0257	-.0001	.2920	
9267	.151	1577.4	24.96	-19.75	1.7056	-.0622	.0636	.0226	.0184	.2448	
9268	.150	1565.4	29.87	-19.75	1.9024	-.0712	-.0197	.0282	.0318	.2715	
9269	.151	1584.4	34.66	-19.88	2.0484	-.0757	-.1034	.0333	.0404	.2904	
9270	.150	1563.3	39.83	-19.74	2.1462	-.0747	-.2302	.0378	.0466	.3052	
9271	.151	1572.4	44.63	-19.74	2.2324	-.0981	-.3670	.0464	.0432	.3078	
9272	.151	1572.1	47.42	-20.01	2.2949	-.0902	-.3972	.0511	.0473	.3005	
9273	.151	1575.5	49.89	-19.95	.7908	-.0049	.1752	.0126	-.0464	.3870	

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7 X 10 HIGH SPEED TUNNEL

TEST TP	23 MACH	G PA	RUN 67 ALPHA DEG	BETA DEG	CL(SA)	CD(SA)	CPH(SA)	CRM(SA)	CYM(SA)	CSF(SA)
9276	.150	1572.9	.05	.00	-.0966	.1410	.4236	-.0007	-.0013	.0080
9277	.150	1568.6	9.93	-.03	.7624	.1638	.4478	-.0027	-.0017	.0065
9278	.152	1596.4	14.11	.03	1.1091	.2509	.3969	-.0064	-.0021	-.0031
9279	.150	1567.4	19.66	-.08	1.2525	.4356	.3559	.0039	-.0018	-.0002
9280	.150	1574.2	24.78	-.05	1.4436	.6339	.2808	.0012	.0001	-.0072
9281	.149	1533.7	29.73	.04	1.6547	.9043	.1739	.0003	-.0006	-.0078
9282	.150	1563.7	34.62	-.13	1.7238	1.1356	-.0266	.0008	.0012	.0025
9283	.150	1563.0	39.69	-.02	1.6472	1.2651	-.2317	-.0001	.0001	-.0028
9284	.149	1552.7	44.54	-.06	1.5589	1.4205	-.3620	-.0019	-.0016	-.0054
9285	.150	1557.7	50.44	.17	1.4809	1.6186	-.4765	.0009	-.0013	-.0026
9286	.152	1597.8	.09	.01	-.0992	.1406	.4258	-.0011	-.0012	-.0010

TEST TP	23 MACH	G PA	RUN 67 ALPHA DEG	BETA DEG	CNF(BA)	CAF(BA)	CPH(BA)	CRM(BA)	CYM(BA)	CSF(BA)
9276	.150	1572.9	.05	.00	-.0964	.1411	.4236	-.0007	-.0013	.0080
9277	.150	1568.6	9.93	-.03	.7742	.0299	.4478	-.0024	-.0021	.0065
9278	.152	1596.4	14.81	.03	1.1364	-.0409	.3969	-.0057	-.0036	-.0031
9279	.150	1567.4	19.66	-.08	1.3260	-.0111	.3559	.0043	-.0004	-.0002
9280	.150	1574.2	24.75	-.05	1.5763	-.0295	.2808	.0010	.0006	-.0072
9281	.149	1533.7	29.73	.04	1.8854	-.0354	.1739	.0007	-.0006	-.0078
9282	.150	1563.7	34.62	-.13	2.0637	-.0450	-.0266	-.0000	.0014	.0025
9283	.150	1563.0	39.69	-.02	2.0683	-.0631	-.2317	-.0001	.0000	-.0028
9284	.149	1552.7	44.54	-.06	2.1074	-.0808	-.3620	-.0002	-.0025	-.0054
9285	.150	1557.7	50.44	.17	2.1911	-.1108	-.4765	.0016	-.0001	-.0026
9286	.152	1597.8	.09	.01	-.0990	.1408	.4258	-.0011	-.0012	-.0010

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TEST	23		RUN	68						
TP	MACH	Q	ALPHA	BETA	CL(SA)	CD(SA)	CPM(SA)	CRM(SA)	CY4(SA)	CSF(SA)
		PA	DEG	DEG						
9287	.150	1573.6	7.99	-4.78	.7360	.1609	.4408	.0033	-.0113	.0796
9288	.150	1561.2	14.77	-4.79	1.0971	.2529	.3910	.0066	-.0052	.0697
9289	.151	1575.2	19.72	-5.09	1.2923	.4595	.3615	.0180	-.0011	.0322
9290	.150	1564.6	24.79	-5.00	1.4752	.6559	.2793	.0170	.0014	.0352
9291	.150	1571.5	29.80	-5.17	1.6037	.9032	.2041	.0144	.0045	.0622
9292	.151	1581.0	34.60	-4.90	1.7122	1.1238	-.0045	.0190	.0061	.0744
9293	.151	1575.9	39.68	-4.98	1.6744	1.3031	-.1997	.0196	-.0035	.0729
9294	.150	1570.5	44.51	-5.15	1.6153	1.4548	-.3320	.0170	-.0053	.0784
9295	.148	1530.5	50.22	-4.82	1.5124	1.6368	-.4731	.0140	-.0096	.0766
9296	.150	1567.5	10.02	-4.92	.7345	.1593	.4409	.0040	-.0112	.0803

TEST	23		RUN	68						
TP	MACH	Q	ALPHA	BETA	CNF(BA)	CAF(BA)	CPM(BA)	CRM(BA)	CYM(BA)	CSF(BA)
		PA	DEG	DEG						
9287	.150	1573.6	7.99	-4.78	.7528	.0309	.4408	.0052	-.0105	.0796
9288	.150	1561.2	14.77	-4.79	1.1253	-.0351	.3910	.0085	-.0063	.0697
9289	.151	1575.2	19.72	-5.09	1.3716	-.0034	.3615	.0173	.0050	.0322
9290	.150	1564.6	24.79	-5.00	1.6143	-.0231	.2793	.0149	.0084	.0352
9291	.150	1571.5	29.80	-5.17	1.8926	-.0429	.2041	.0100	.0114	.0622
9292	.151	1581.0	34.60	-4.90	2.0475	-.0473	-.0045	.0122	.0158	.0744
9293	.151	1575.9	39.68	-4.98	2.1207	-.0664	-.1997	.0173	.0099	.0729
9294	.150	1570.5	44.51	-5.15	2.1718	-.0944	-.3320	.0159	.0082	.0784
9295	.148	1530.5	50.22	-4.82	2.2255	-.1152	-.4731	.0164	.0046	.0766
9296	.150	1567.5	10.02	-4.92	.7510	.0290	.4409	.0059	-.0104	.0803

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7 X 10 HIGH SPEED TUNNEL

TEST TP	23 MACH	PA	RUN 69 ALPHA DEG	BETA DEG	CL(SA)	CD(SA)	CPM(SA)	CRM(SA)	CYM(SA)	CSF(SA)
9297	.150	1566.4	1.94	-9.95	.7065	.1558	.4178	.0098	-.0203	.1575
9298	.150	1566.7	15.01	-9.91	1.0450	.2566	.4058	.0253	-.0092	.1198
9299	.150	1570.1	19.86	-10.02	1.2957	.4640	.3605	.0289	.0016	.0875
9300	.150	1572.7	24.79	-9.93	1.4531	.6338	.2866	.0297	.0031	.0834
9301	.149	1540.7	29.70	-10.01	1.6539	.9000	.1958	.0311	.0070	.1293
9302	.149	1547.3	34.77	-10.02	1.6579	1.0817	.0059	.0336	.0069	.1457
9303	.150	1559.3	39.79	-9.96	1.6655	1.2895	-.1890	.0370	-.0026	.1466
9304	.150	1560.6	44.43	-9.95	1.6353	1.4701	-.3243	.0321	-.0106	.1588
9305	.150	1569.6	49.79	-9.97	1.5473	1.6396	-.4535	.0288	-.0163	.1699
9306	.150	1570.0	9.73	-9.80	.6905	.1550	.4163	.0097	-.0199	.1555

TEST TP	23 MACH	PA	RUN 69 ALPHA DEG	BETA DEG	CNF(BA)	CAF(BA)	CPM(BA)	CRM(BA)	CYM(BA)	CSF(BA)
9297	.150	1566.4	1.94	-9.95	.7228	.0315	.4178	.0131	-.0183	.1575
9298	.150	1566.7	15.01	-9.81	1.0758	-.0229	.4058	.0268	-.0023	.1198
9299	.150	1570.1	19.86	-10.02	1.3763	-.0037	.3605	.0267	.0113	.0875
9300	.150	1572.7	24.79	-9.93	1.5849	-.0337	.2966	.0256	.0152	.0834
9301	.149	1540.7	29.70	-10.01	1.8626	-.0376	.1958	.0236	.0215	.1293
9302	.149	1547.3	34.77	-10.02	1.9788	-.0570	.0059	.0237	.0248	.1457
9303	.150	1559.3	39.79	-9.96	2.1050	-.0750	-.1890	.0301	.0216	.1466
9304	.150	1560.6	44.43	-9.95	2.1969	-.0451	-.3243	.0305	.0147	.1588
9305	.150	1569.6	49.79	-9.97	2.2511	-.1233	-.4535	.0310	.0115	.1699
9306	.150	1570.0	9.73	-9.80	.7067	.0360	.4163	.0130	-.0180	.1555

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TEST TP	23 MACH	Q PA	RUN 70 ALPHA DEG	BETA DEG	CL(SA)	CD(SA)	CPM(SA)	CRM(SA)	CYM(SA)	CSF(SA)
9307	.151	1586.1	9.80	-19.94	.6066	.1449	.3909	.0199	-.0350	.3311
9308	.151	1587.2	14.93	-19.63	.9782	.2444	.3794	.0390	-.0213	.2951
9309	.150	1572.9	19.83	-19.83	1.2487	.4213	.3454	.0415	-.0029	.2436
9310	.150	1571.8	24.91	-19.79	1.4323	.6267	.2716	.0404	.0140	.2021
9311	.150	1570.2	29.66	-19.97	1.5358	.8265	.1762	.0576	.0121	.2329
9312	.151	1576.3	34.55	-19.82	1.5900	1.0258	.0922	.0632	.0086	.2664
9313	.150	1569.2	39.50	-19.91	1.5919	1.2125	-.0618	.0631	.0043	.3077
9314	.150	1563.1	44.43	-19.72	1.5882	1.4086	-.2843	.0574	-.0149	.3361
9315	.151	1580.0	47.33	-20.00	1.5367	1.4965	-.3430	.0602	-.0220	.3336
9316	.150	1570.0	10.00	-19.69	.6304	.1457	.3899	.0203	-.0345	.3217

TEST TP	23 MACH	Q PA	RUN 70 ALPHA DEG	BETA DEG	CNF(BA)	CAF(BA)	CPM(BA)	CRM(BA)	CYM(BA)	CSF(BA)
9307	.151	1586.1	9.80	-19.94	.6224	.0396	.3909	.0256	-.0311	.3311
9308	.151	1587.2	14.93	-19.63	1.0081	-.0159	.3794	.0432	-.0106	.2951
9309	.150	1572.9	19.83	-19.83	1.3176	-.0274	.3454	.0400	.0113	.2436
9310	.150	1571.8	24.91	-19.79	1.5630	-.0349	.2716	.0307	.0297	.2021
9311	.150	1570.2	29.66	-19.97	1.7435	-.0419	.1762	.0441	.0390	.2329
9312	.151	1576.3	34.55	-19.82	1.8913	-.0569	.0922	.0472	.0429	.2664
9313	.150	1569.2	39.50	-19.91	1.9996	-.0771	-.0618	.0459	.0435	.3077
9314	.150	1563.1	44.43	-19.72	2.1202	-.1058	-.2843	.0515	.0296	.3361
9315	.151	1580.0	47.33	-20.00	2.1418	-.1156	-.3430	.0570	.0293	.3336
9316	.150	1570.0	10.00	-19.69	.6462	.0332	.3899	.0260	-.0304	.3217

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7 X 10 HIGH SPEED TUNNEL

TEST TP	23 MACH	Q PA	RUN 71 ALPHA DEG	BETA DEG	CL(SA)	CD(SA)	CPM(SA)	CRM(SA)	CYM(SA)	CSF(SA)
9317	.150	1571.0	10.03	4.95	.7574	.1575	.4403	-.0101	.0085	-.0966
9318	.151	1593.2	14.74	4.92	1.0469	.2473	.4149	-.0229	.0063	-.0882
9319	.151	1577.2	19.89	4.98	1.2656	.4468	.3615	-.0120	.0004	-.0511
9320	.151	1579.8	24.87	5.06	1.4737	.6492	.2817	-.0155	-.0016	-.0571
9321	.151	1578.5	29.72	4.81	1.6550	.8976	.1917	-.0115	-.0036	-.0740
9322	.150	1566.9	34.82	5.08	1.6976	1.1160	-.0106	-.0183	-.0036	-.0843
9323	.150	1572.2	39.69	5.17	1.6661	1.2903	-.1948	-.0193	.0040	-.0744
9324	.151	1586.0	44.61	4.84	1.5298	1.3842	-.3330	-.0182	.0070	-.0556
9325	.150	1562.3	50.29	4.94	1.4875	1.6184	-.4563	-.0108	.0053	-.0709
9326	.150	1562.9	9.81	4.81	.7633	.1650	.4357	-.0105	.0081	-.0759

TEST TP	23 MACH	Q PA	RUN 71 ALPHA DEG	BETA DEG	CNF(BA)	CAF(BA)	CPM(BA)	CKM(BA)	CYM(BA)	CSF(BA)
9317	.150	1571.0	10.03	4.95	.7732	.0232	.4403	-.0114	.0066	-.0966
9318	.151	1593.2	14.74	4.92	1.1237	-.0398	.4149	-.0238	.0003	-.0882
9319	.151	1577.2	19.89	4.98	1.3421	-.0104	.3615	-.0114	-.0037	-.0511
9320	.151	1579.8	24.87	5.06	1.6101	-.0309	.2817	-.0134	-.0080	-.0571
9321	.151	1578.5	29.72	4.81	1.8823	-.0411	.1917	-.0082	-.0038	-.0740
9322	.150	1566.9	34.82	5.08	2.0309	-.0533	-.0106	-.0130	-.0134	-.0843
9323	.150	1572.2	39.69	5.17	2.1061	-.0712	-.1948	-.0174	-.0092	-.0744
9324	.151	1586.0	44.61	4.84	2.0612	-.0889	-.3830	-.0179	-.0077	-.0556
9325	.150	1562.3	50.29	4.94	2.1953	-.1103	-.4563	-.0110	-.0049	-.0709
9326	.150	1562.9	9.81	4.81	.7802	.0325	.4357	-.0117	.0062	-.0759

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TEST	23		RUN	72							
TP	MACH	Q PA	ALPHA DEG	BETA DEG	CL(SA)	CD(SA)	CPM(SA)	CRM(SA)	CYM(SA)	CSF(SA)	
9327	.150	1571.1	9.82	9.73	.7681	.1676	.4115	-.0175	.0178	-.1622	
9328	.151	1581.8	14.98	9.92	1.1119	.2699	.4203	-.0358	.0093	-.1324	
9329	.151	1579.1	13.85	10.01	1.3018	.4663	.3701	-.0253	-.0019	-.0998	
9330	.151	1579.8	24.79	9.86	1.4676	.6436	.2903	-.0277	-.0034	-.1195	
9331	.150	1574.3	29.60	9.75	1.6455	.8856	.2018	-.0272	-.0053	-.1430	
9332	.150	1569.3	34.80	9.84	1.7270	1.1238	.0470	-.0295	-.0064	-.1610	
9333	.150	1567.4	39.66	9.96	1.6871	1.3067	-.1433	-.0346	.0028	-.1634	
9334	.150	1571.2	44.54	9.78	1.6425	1.4798	-.2672	-.0273	.0123	-.1745	
9335	.151	1575.5	49.84	9.78	1.5806	1.6816	-.3951	-.0258	.0140	-.1892	
9336	.150	1563.9	9.83	9.91	.7698	.1680	.4117	-.0171	.0162	-.1666	

TEST	23		RUN	72						
TP	MACH	Q PA	ALPHA DEG	BETA DEG	CNF(BA)	CAF(BA)	CPH(BA)	CRM(BA)	CYM(BA)	CSF(BA)
9327	.150	1571.1	9.82	9.73	.7854	.0341	.4115	-.0203	.0145	-.1622
9328	.151	1581.8	14.98	9.92	1.1438	-.0266	.4203	-.0370	-.0003	-.1324
9329	.151	1579.1	13.85	10.01	1.3828	-.0035	.3701	-.0232	-.0103	-.0998
9330	.151	1579.8	24.79	9.86	1.6022	-.0310	.2903	-.0237	-.0147	-.1195
9331	.150	1574.3	29.60	9.75	1.8682	-.0455	.2018	-.0210	-.0181	-.1430
9332	.150	1569.3	34.80	9.84	2.0595	-.0628	.0470	-.0206	-.0221	-.1610
9333	.150	1567.4	39.66	9.96	2.1328	-.0709	-.1433	-.0284	-.0200	-.1634
9334	.150	1571.2	44.54	9.78	2.2086	-.0975	-.2672	-.0281	-.0104	-.1745
9335	.151	1575.5	49.84	9.78	2.3046	-.1233	-.3951	-.0274	-.0107	-.1892
9336	.150	1563.9	9.83	9.91	.7872	.0341	.4117	-.0200	.0150	-.1666

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TEST TP	23 MACH	Q PA	RUN 73 ALPHA DEG	BETA DEG	CL(SA)	CD(SA)	CPM(SA)	CRM(SA)	CYM(SA)	CSF(SA)
9348	.150	1567.2	.16	-.01	.2418	.0501	-.0562	-.0032	.0238	-.0852
9349	.151	1581.1	9.99	.04	1.1150	.1442	-.0652	-.0001	.0235	-.0645
9350	.151	1584.3	14.72	.07	1.4541	.2947	-.1164	-.0032	.0212	-.0811
9351	.151	1570.2	19.94	.13	1.6146	.5517	-.1595	.0093	.0182	-.0788
9352	.149	1538.5	24.92	.18	1.7978	.7992	-.2345	.0039	.0101	-.0455
9353	.150	1562.6	29.81	.22	1.9585	1.0913	-.2922	.0025	.0067	-.0285
9354	.150	1551.3	34.89	.25	1.9657	1.3469	-.3436	.0031	.0041	-.0183
9355	.148	1515.3	39.83	.28	1.8125	1.5044	-.4379	-.0011	.0004	.0090
9356	.148	1515.5	44.53	.32	1.7579	1.7.31	-.5130	.0036	.0004	.0032
9357	.148	1522.8	50.59	.40	1.6464	1.9642	-.6459	.0009	-.0009	.0024
9358	.152	1597.9	.19	-.01	.2486	.0493	-.0565	-.0034	.0239	-.0875

TEST TP	23 MACH	Q PA	RUN 73 ALPHA DEG	BETA DEG	CNF(BA)	CAF(BA)	CPM(BA)	CRM(BA)	CYM(BA)	CSF(BA)
9348	.150	1567.2	.16	-.01	.2419	.0494	-.0562	-.0033	.0238	-.0852
9349	.151	1581.1	9.99	.04	1.1231	-.0515	-.0652	-.0042	.0232	-.0845
9350	.151	1584.3	14.72	.07	1.4813	-.0645	-.1164	-.0085	.0197	-.0811
9351	.151	1570.2	19.94	.13	1.7060	-.0321	-.1595	.0026	.0203	-.0788
9352	.149	1538.5	24.92	.18	1.9672	-.0328	-.2345	-.0007	.0108	-.0455
9353	.150	1562.6	29.81	.22	2.2418	-.0268	-.2922	-.0012	.0070	-.0285
9354	.150	1551.3	34.89	.25	2.3828	-.0195	-.3436	.0002	.0052	-.0183
9355	.148	1515.3	39.83	.28	2.3555	-.0055	-.4379	-.0011	-.0004	.0090
9356	.148	1515.5	44.53	.32	2.4546	-.0116	-.5130	.0023	.0028	.0032
9357	.148	1522.8	50.59	.40	2.5629	-.0248	-.6459	.0013	.0001	.0024
9358	.152	1597.9	.19	-.01	.2488	.0485	-.0565	-.0035	.0239	-.0875

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7 X 10 HIGH SPEED TUNNEL

TEST TP	23 MACH	Q PA	RUN 74 ALPHA DEG	BETA DEG	CL(SA)	CD(SA)	CPM(SA)	CRM(SA)	CYM(SA)	CSF(SA)
9359	.150	1559.4	9.77	5.00	1.1267	.1464	-.0787	-.0069	.0344	-.1780
9360	.151	1581.7	14.74	5.07	1.4502	.3093	-.1331	-.0207	.0289	-.1452
9361	.150	1565.6	19.98	4.81	1.6289	.5593	-.1589	-.0029	.0214	-.1347
9362	.150	1568.6	24.73	5.03	1.8136	.8084	-.2223	-.0045	.0143	-.1325
9363	.150	1568.4	29.68	4.93	1.9763	1.1003	-.2667	-.0018	.0074	-.1194
9364	.150	1559.5	34.72	5.03	1.9463	1.3391	-.3599	-.0148	.0041	-.0901
9365	.144	1542.3	39.75	5.08	1.8156	1.5018	-.4358	-.0109	.0074	-.0999
9366	.150	1564.8	44.70	5.04	1.7534	1.7056	-.4780	-.0134	.0043	-.0904
9367	.150	1556.5	50.12	5.06	1.6384	1.9237	-.6396	-.0102	.0105	-.0675
9368	.151	1575.0	9.85	5.06	1.1337	.1489	-.0775	-.0071	.0344	-.1694

TEST TP	23 MACH	Q PA	RUN 74 ALPHA DEG	BETA DEG	CNF(BA)	CAF(BA)	CPM(BA)	CRM(BA)	CYM(BA)	CSF(BA)
9359	.150	1559.4	9.77	5.00	1.1352	-.0468	-.0787	-.0127	.0327	-.1780
9360	.151	1581.7	14.74	5.07	1.4811	-.0699	-.1331	-.0273	.0227	-.1452
9361	.150	1565.6	19.98	4.81	1.7220	-.0310	-.1589	-.0100	.0191	-.1347
9362	.150	1568.6	24.73	5.03	1.9854	-.0244	-.2223	-.0101	.0111	-.1325
9363	.150	1568.4	29.68	4.93	2.2619	-.0228	-.2667	-.0052	.0055	-.1194
9364	.150	1559.5	34.72	5.03	2.3625	-.0079	-.3599	-.0144	-.0251	-.0901
9365	.149	1542.3	39.75	5.03	2.3562	-.0062	-.4358	-.0131	-.0013	-.0999
9366	.150	1564.8	44.70	5.04	2.4461	-.0210	-.4780	-.0126	-.0154	-.0904
9367	.150	1556.5	50.12	5.06	2.5267	-.0237	-.6396	-.0146	-.0111	-.0675
9368	.151	1575.0	9.85	5.06	1.1425	-.0472	-.0775	-.0129	.0227	-.1694

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7 X 10 HIGH SPEED TUNNEL

TEST	23		RUN	75							
TP	MACH	Q	ALPHA	BETA	CL(SA)	CD(SA)	CPM(SA)	CRM(SA)	CYM(SA)	CSF(SA)	
		PA	DEG	DEG							
9369	.150	1562.5	10.07	9.75	1.1385	.1531	-.0982	-.0139	.0436	-.2575	
9370	.151	1575.7	14.70	9.91	1.4358	.3130	-.1144	-.0331	.0292	-.2029	
9371	.151	1581.6	19.88	10.05	1.6331	.5503	-.1404	-.0173	.0236	-.1855	
9372	.151	1577.8	24.83	9.74	1.8143	.7965	-.2215	-.0183	.0184	-.1902	
9373	.150	1562.5	29.85	9.93	1.9768	1.1055	-.2855	-.0153	.0105	-.2045	
9374	.150	1565.9	34.84	9.84	1.9893	1.3597	-.3640	-.0217	.0016	-.1932	
9375	.150	1560.9	39.65	9.94	1.6516	1.5178	-.4285	-.0339	.0068	-.1560	
9376	.150	1566.3	44.67	9.81	1.7592	1.7032	-.4615	-.0340	.0086	-.1590	
9377	.150	1561.7	49.86	10.02	1.6524	1.9083	-.5937	-.0335	.0126	-.1673	
9378	.150	1560.7	9.85	9.86	1.1207	.1503	-.0861	-.0134	.0438	-.2618	

TEST	23		RUN	75						
TP	MACH	Q	ALPHA	BETA	CNF(BA)	CAF(BA)	CPM(BA)	CRM(BA)	CYM(BA)	CSF(BA)
		PA	DEG	DEG						
9369	.150	1562.5	10.07	9.75	1.1477	-.0482	-.0882	-.0213	.0405	-.2575
9370	.151	1575.7	14.70	9.93	1.4682	-.0615	-.1144	-.0394	.0198	-.2029
9371	.151	1581.6	19.88	10.05	1.7229	-.0380	-.1404	-.0243	.0163	-.1855
9372	.151	1577.8	24.83	9.74	1.9810	-.0390	-.2215	-.0243	.0091	-.1902
9373	.150	1562.5	29.85	9.93	2.2648	-.0251	-.2855	-.0185	.0015	-.2045
9374	.150	1565.9	34.84	9.84	2.4095	-.0207	-.3640	-.0187	-.0111	-.1932
9375	.150	1560.9	39.65	9.94	2.3942	-.0129	-.4285	-.0304	-.0164	-.1560
9376	.150	1566.3	44.67	9.81	2.4485	-.0254	-.4615	-.0302	-.0178	-.1590
9377	.150	1561.7	49.86	10.02	2.5241	-.0330	-.5937	-.0312	-.0175	-.1673
9378	.150	1560.7	9.85	9.86	1.1299	-.0443	-.0961	-.0207	.0409	-.2618

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7 X 10 HIGH SPEED TUNNEL

TEST TP	23	MACH	Q PA	RUN ALPHA DEG	76 BETA DEG	CL(SA)	CD(SA)	CPH(SA)	CRM(SA)	CYM(SA)	CSF(SA)
9379		.151	1569.1	9.97	-4.93	1.0982	.1467	-.0667	.0057	.0127	.0063
9380		.151	1581.3	10.04	-4.87	1.4162	.3229	-.1095	.0290	.0151	-.0069
9381		.150	1567.5	19.92	-5.02	1.6315	.5547	-.1339	.0217	.0115	-.0014
9382		.150	1560.7	24.84	-4.86	1.3151	.8115	-.2241	.0187	.0096	.0177
9383		.150	1564.9	27.55	-4.89	1.9667	1.1031	-.2562	.0114	.0103	.0659
9384		.148	1514.1	34.69	-4.76	1.9787	1.3567	-.3593	.0166	.0074	.0860
9385		.150	1562.0	37.68	-4.60	1.8265	1.5052	-.4269	.0142	-.0033	.1031
9386		.150	1560.3	44.58	-4.89	1.7672	1.7179	-.4686	.0233	-.0062	.0800
9387		.150	1565.5	50.41	-4.87	1.6316	1.9305	-.6323	.0210	-.0118	.0838
9388		.151	1573.2	7.78	-4.82	1.0715	.1396	-.0646	.0058	.0132	-.0040

TEST TP	23	MACH	Q PA	RUN ALPHA DEG	76 BETA DEG	CNF(BA)	CAF(BA)	CPH(BA)	CRM(BA)	CYM(BA)	CSF(BA)
9379		.151	1569.1	9.97	-4.93	1.1070	-.0457	-.0667	.0044	.0137	.0063
9380		.151	1581.3	10.04	-4.87	1.4515	-.0557	-.1095	.0240	.0221	-.0069
9381		.150	1567.5	19.92	-5.02	1.7229	-.0345	-.1339	.0165	.0182	-.0014
9382		.150	1560.7	24.84	-4.86	1.9881	-.0260	-.2241	.0129	.0165	.0177
9383		.150	1564.9	27.55	-4.89	2.2548	-.0223	-.2562	.0048	.0146	.0659
9384		.148	1514.1	34.69	-4.76	2.3991	-.0104	-.3593	.0095	.0155	.0860
9385		.150	1562.0	37.68	-4.60	2.3668	-.0077	-.4269	.0130	.0065	.1031
9386		.150	1560.3	44.58	-4.89	2.4645	-.0168	-.4686	.0210	.0119	.0800
9387		.150	1565.5	50.41	-4.87	2.5274	-.0269	-.6323	.0225	.0086	.0838
9388		.151	1573.2	7.78	-4.82	1.0796	-.0444	-.0646	.0035	.0139	-.0040

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7 X 10 HIGH SPEED TUNNEL

TEST TP	23 MACH	Q PA	RUN 77 ALPHA DEG	BETA DEG	CL(SA)	CD(SA)	CPM(SA)	CRM(SA)	CYM(SA)	CSF(SA)
9389	.151	1571.2	10.04	-9.76	1.0773	.1438	-.0761	.0132	.0011	.1051
9390	.150	1561.7	14.78	-9.91	1.3947	.3076	-.1117	.0366	.0074	.0706
9391	.151	1577.7	14.92	-9.99	1.6409	.5552	-.1351	.0355	.0083	.0551
9392	.150	1560.1	24.64	-10.04	1.7963	.7853	-.2088	.0339	.0073	.0658
9393	.150	1565.5	24.75	-10.02	1.9340	1.0722	-.2752	.0314	.0104	.1062
9394	.150	1559.4	34.76	-9.80	1.9353	1.3258	-.3737	.0328	.0052	.1442
9395	.151	1573.5	34.92	-9.85	1.7977	1.4415	-.4232	.0339	-.0046	.1756
9396	.150	1556.3	44.73	-9.87	1.7452	1.6939	-.4786	.0387	-.0101	.1696
9397	.151	1572.2	44.77	-10.16	1.6394	1.8878	-.5815	.0407	-.0134	.1811
9398	.151	1576.8	4.96	-9.96	1.0859	.1502	-.0811	.0143	.0004	.0970

TEST TP	23 MACH	Q PA	RUN 77 ALPHA DEG	BETA DEG	CNF(BA)	CAF(BA)	CPM(BA)	CRM(BA)	CYM(BA)	CSF(BA)
9389	.151	1571.2	10.04	-9.76	1.0859	-.0462	-.0761	.0128	.0034	.1051
9390	.150	1561.7	14.78	-9.91	1.4270	-.0585	-.1117	.0335	.0165	.0706
9391	.151	1577.7	14.92	-9.99	1.7319	-.0370	-.1351	.0305	.0194	.0551
9392	.150	1560.1	24.64	-10.04	1.9620	-.0359	-.2088	.0277	.0207	.0658
9393	.150	1565.5	24.75	-10.02	2.2155	-.0315	-.2752	.0226	.0244	.1062
9394	.150	1559.4	34.76	-9.80	2.3458	-.0144	-.3737	.0240	.0229	.1442
9395	.151	1573.5	34.92	-9.85	2.3358	-.0096	-.4232	.0290	.0182	.1756
9396	.150	1556.3	44.73	-9.87	2.4320	-.0250	-.4786	.0346	.0201	.1696
9397	.151	1572.2	44.77	-10.16	2.5001	-.0322	-.5815	.0365	.0225	.1811
9398	.151	1576.8	4.96	-9.96	1.0955	-.0399	-.0311	.0140	.0024	.0970

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7 X 10 HIGH SPEED TUNNEL

TEST	23		RUN	78							
TP	MACH	Q	ALPHA	BETA	CL(SA)	CD(SA)	CPM(SA)	CRM(SA)	CYM(SA)	CSF(SA)	
		PA	DEG	DEG							
9399	.150	1563.0	9.87	-19.80	.9674	.1329	-.0893	.0231	-.0221	.2982	
9400	.150	1557.1	14.88	-19.81	1.3205	.2677	-.1106	.0506	-.0097	.2626	
9401	.151	1584.2	19.92	-19.79	1.5906	.4974	-.1570	.0535	.0001	.2133	
9402	.150	1555.2	24.77	-19.62	1.7324	.7323	-.2074	.0475	.0078	.2014	
9403	.151	1580.2	29.99	-19.71	1.8045	.9874	-.2363	.0590	.0062	.2308	
9404	.151	1568.0	34.54	-19.90	1.8347	1.2138	-.2727	.0639	.0065	.2708	
9405	.149	1529.3	39.54	-20.01	1.7520	1.4043	-.3727	.0629	.0036	.3118	
9406	.151	1574.9	44.66	-19.65	1.6698	1.6055	-.4522	.0677	-.0121	.3282	
9407	.151	1565.0	47.40	-19.97	1.6196	1.7076	-.4832	.0658	-.0162	.3453	
9408	.150	1554.0	9.86	-19.90	.9658	.1272	-.0895	.0223	-.0219	.2919	

TEST	23		RUN	78						
TP	MACH	Q	ALPHA	BETA	CNF(BA)	CAF(BA)	CPM(BA)	CRM(BA)	CYM(BA)	CSF(BA)
		PA	DEG	DEG						
9399	.150	1563.0	9.87	-19.80	.9759	-.0349	-.0893	.0266	-.0178	.2982
9400	.150	1557.1	14.88	-19.81	1.3450	-.0804	-.1106	.0514	.0036	.2626
9401	.151	1584.2	19.92	-19.79	1.6649	-.0744	-.1570	.0503	.0183	.2133
9402	.150	1555.2	24.77	-19.62	1.8798	-.0601	-.2074	.0398	.0269	.2014
9403	.151	1580.2	29.99	-19.71	2.0565	-.0608	-.2363	.0471	.0343	.2308
9404	.151	1568.0	34.54	-19.90	2.1995	-.0402	-.2727	.0490	.0416	.2708
9405	.149	1529.3	39.54	-20.01	2.2451	-.0325	-.3727	.0462	.0428	.3118
9406	.151	1574.9	44.66	-19.65	2.3162	-.0318	-.4522	.0567	.0390	.3282
9407	.151	1565.0	47.40	-19.97	2.3532	-.0365	-.4832	.0565	.0375	.3453
9408	.150	1554.0	9.86	-19.90	.9733	-.0401	-.0895	.0258	-.0177	.2919

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7 X 10 HIGH SPEED TUNNEL

TEST TP	23 MACH	U PA	RUN 79 ALPHA DEG	BETA DEG	CL(SA)	CD(SA)	CPH(SA)	CRM(SA)	CYM(SA)	CSF(SA)
9422	.150	1577.4	.16	-.02	.2277	.0669	-.0244	-.0046	.0426	-.1340
9423	.150	1574.5	4.97	-.02	.6946	.1048	-.0201	-.0025	.0433	-.1417
9424	.150	1576.4	9.88	-.04	1.0905	.1572	-.0316	.0033	.0441	-.1424
9425	.150	1573.4	14.96	-.04	1.4438	.3252	-.0879	.0003	.0399	-.1357
9426	.150	1577.2	19.90	-.06	1.5952	.5587	-.1288	.0145	.0326	-.1153
9427	.150	1577.3	24.78	-.04	1.7719	.7905	-.2225	.0066	.0177	-.0614
9428	.151	1584.1	29.63	-.07	1.9378	1.0753	-.2752	.0051	.0131	-.0379
9429	.150	1568.0	34.85	-.06	1.9564	1.3560	-.3463	.0035	.0073	-.0082
9430	.149	1545.3	39.72	-.05	1.8279	1.5135	-.4392	-.0006	.0010	.0209
9431	.150	1563.4	44.57	-.07	1.7628	1.7036	-.4974	.0022	-.0004	.0200
9432	.149	1550.3	50.55	.01	1.6476	1.9626	-.6507	.0010	-.0022	.0169
9433	.144	1550.6	.11	-.02	.2253	.0660	-.0245	-.0045	.0428	-.1398

TEST TP	23 MACH	U PA	RUN 79 ALPHA DEG	BETA DEG	CNF(BA)	CAF(BA)	CPH(BA)	CRM(BA)	CYM(BA)	CSF(BA)
9422	.150	1577.4	.16	-.02	.2279	.0663	-.0244	-.0047	.0426	-.1340
9423	.150	1574.5	4.97	-.02	.7010	.0442	-.0201	-.0063	.0429	-.1417
9424	.150	1576.4	9.88	-.04	1.1013	-.0324	-.0316	-.0043	.0440	-.1424
9425	.150	1573.4	14.96	-.04	1.4788	-.0584	-.0879	-.0100	.0387	-.1357
9426	.150	1577.2	19.90	-.06	1.6901	-.0176	-.1288	.0025	.0355	-.1153
9427	.150	1577.3	24.78	-.04	1.9401	-.0249	-.2225	-.0015	.0168	-.0614
9428	.151	1584.1	29.63	-.07	2.2160	-.0234	-.2752	-.0021	.0139	-.0379
9429	.150	1568.0	34.85	-.06	2.3804	-.0050	-.3463	-.0013	.0080	-.0082
9430	.149	1545.3	39.72	-.05	2.3731	-.0039	-.4392	-.0011	.0004	.0209
9431	.150	1563.4	44.57	-.07	2.4513	-.0234	-.4974	.0019	.0013	.0200
9432	.149	1550.3	50.55	.01	2.5624	-.0253	-.6507	.0023	-.0006	.0169
9433	.149	1550.6	.11	-.02	.2254	.0656	-.0245	-.0046	.0428	-.1398

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7 X 10 HIGH SPEED TUNNEL

TEST TP	23 MACH	Q PA	RUN ALPHA DEG	30 BETA DEG	CL(SA)	CD(SA)	CPH(SA)	CRM(SA)	CYM(SA)	CSF(SA)
9434	.151	1582.3	9.92	4.89	1.1022	.1575	-.0427	-.0037	.0533	-.2244
9435	.150	1577.3	19.82	5.06	1.6039	.5506	-.1329	-.0022	.0330	-.1529
9436	.150	1565.8	14.89	5.10	1.4378	.3292	-.1071	-.0183	.0430	-.1835
9437	.150	1571.5	24.87	4.94	1.8233	.8292	-.2072	-.0026	.0237	-.1454
9438	.150	1560.1	29.75	5.02	1.9762	1.1110	-.2526	.0000	.0149	-.1398
9439	.151	1582.5	34.73	5.11	1.9436	1.3271	-.3509	-.0145	.0060	-.0932
9440	.150	1560.9	39.68	5.05	1.8303	1.5116	-.4462	-.0126	.0070	-.0944
9441	.150	1567.9	44.55	5.17	1.7723	1.721	-.4794	-.0191	.0044	-.0721
9442	.150	1569.4	50.21	4.94	1.6434	1.9328	-.6379	-.0132	.0110	-.0533
9443	.150	1577.2	9.86	5.05	1.1266	.1672	-.0451	-.0038	.0540	-.2252

TEST TP	23 MACH	Q PA	RUN ALPHA DEG	30 BETA DEG	CNF(BA)	CAF(BA)	CPH(BA)	CRM(BA)	CYM(BA)	CSF(BA)
9434	.151	1582.3	9.92	4.89	1.1129	-.0347	-.0427	-.0129	.0519	-.2244
9435	.150	1577.8	19.82	5.06	1.6956	-.0258	-.1329	-.0133	.0303	-.1529
9436	.150	1565.8	14.89	5.10	1.4741	-.0514	-.1071	-.0287	.0368	-.1835
9437	.150	1571.5	24.87	4.99	2.0029	-.0144	-.2072	-.0123	.0204	-.1454
9438	.150	1560.1	29.75	5.02	2.2670	-.0160	-.2526	-.0074	.0129	-.1398
9439	.151	1582.5	34.73	5.11	1.3534	-.0167	-.3509	-.0153	-.0033	-.0932
9440	.150	1560.9	39.68	5.05	1.3738	-.0054	-.4462	-.0142	-.0026	-.0944
9441	.150	1567.9	44.55	5.17	1.4716	-.0154	-.4794	-.0167	-.0102	-.0721
9442	.150	1569.4	50.21	4.94	2.5367	-.0258	-.6379	-.0169	-.0031	-.0533
9443	.150	1577.2	9.86	5.05	1.1386	-.0282	-.0451	-.0130	.0525	-.2252

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TEST TP	23 MACH	Q PA	RUN 81 ALPHA DEG	BETA DEG	CL(SA)	CD(SA)	CPM(SA)	CRM(SA)	CYM(SA)	CSF(SA)
9444	.150	1572.0	9.89	9.88	1.1155	.1708	-.0576	-.0104	.0602	-.2940
9445	.151	1596.7	14.83	9.84	1.4408	.3364	-.1006	-.0300	.0386	-.2261
9446	.150	1576.0	19.94	9.82	1.6472	.5752	-.1215	-.0143	.0340	-.2128
9447	.150	1573.0	24.75	9.77	1.8298	.8233	-.2114	-.0162	.0276	-.2221
9448	.150	1578.9	29.72	10.01	1.9602	1.0844	-.2638	-.0127	.0149	-.2246
9449	.150	1571.9	34.70	9.89	2.0008	1.3644	-.3563	-.0213	.0074	-.1948
9450	.150	1566.3	39.59	10.11	1.8527	1.5178	-.4155	-.0348	.0067	-.1593
9451	.150	1569.7	44.65	9.80	1.7757	1.7154	-.4467	-.0359	.0098	-.1497
9452	.151	1584.0	49.66	10.03	1.6703	1.9154	-.5956	-.0364	.0118	-.1651
9453	.150	1576.3	9.89	9.97	1.1160	.1707	-.0570	-.0103	.0606	-.2980

TEST TP	23 MACH	Q PA	RUN 81 ALPHA DEG	BETA DEG	CNF(BA)	CAF(BA)	CPM(BA)	CRM(BA)	CYM(BA)	CSF(BA)
9444	.150	1572.0	9.89	9.98	1.1282	-.0234	-.0576	-.0206	.0575	-.2940
9445	.151	1596.7	14.83	9.84	1.4789	-.0448	-.1006	-.0389	.0296	-.2261
9446	.150	1576.0	19.94	9.82	1.7446	-.0211	-.1215	-.0251	.0271	-.2128
9447	.150	1573.0	24.75	9.77	2.0064	-.0187	-.2114	-.0262	.0183	-.2221
9448	.150	1578.9	29.72	10.01	2.2400	-.0299	-.2638	-.0203	.0101	-.2246
9449	.150	1571.9	34.70	9.89	2.4217	-.0174	-.3563	-.0217	-.0060	-.1948
9450	.150	1566.3	39.59	10.11	2.3950	-.0109	-.4155	-.0311	-.0170	-.1593
9451	.150	1569.7	44.65	9.80	2.4688	-.0274	-.4467	-.0324	-.0182	-.1497
9452	.151	1584.0	49.66	10.03	2.5412	-.0333	-.5956	-.0325	-.0201	-.1651
9453	.150	1576.3	9.89	9.97	1.1288	-.0236	-.0570	-.0205	.0579	-.2980

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7 X 10 HIGH SPEED TUNNEL

TEST	23		RUN	82							
TP	MACH	PA	ALPHA DEG	BETA DEG	CL(SA)	CD(SA)	CPM(SA)	CRM(SA)	CYM(SA)	CSF(SA)	
9454	.151	1585.2	9.84	-4.98	1.0921	.1659	-.0296	.0094	.0336	-.0504	
9455	.150	1561.4	14.97	-4.94	1.4040	.3382	-.0723	.0327	.0351	-.0610	
9456	.150	1574.3	17.86	-4.94	1.6004	.5501	-.1033	.0268	.0267	-.0465	
9457	.149	1554.4	29.69	-5.02	1.9440	1.0819	-.2408	.0158	.0184	.0326	
9458	.152	1602.6	29.72	-5.06	1.9677	1.1075	-.2473	.0149	.0184	.0399	
9459	.150	1571.4	34.68	-5.01	1.9665	1.3539	-.3623	.0180	.0097	.0813	
9460	.150	1579.2	39.59	-5.11	1.8238	1.4886	-.4191	.0164	-.0031	.1083	
9461	.150	1573.8	44.57	-5.11	1.7719	1.7123	-.4694	.0215	-.0063	.0922	
9462	.150	1571.2	49.98	-5.11	1.6516	1.9245	-.6236	.0194	-.0123	.0970	
9463	.150	1572.7	9.86	-4.93	1.0679	.1584	-.0281	.0083	.0340	-.0500	

TEST	23		RUN	82						
TP	MACH	PA	ALPHA	BETA	CNF(BA)	CAF(BA)	CPM(BA)	CRM(BA)	CYM(BA)	CSF(BA)
			DEG	DEG						
9454	.151	1585.2	9.84	-4.98	1.1043	-.0232	-.0296	.0036	.0347	-.0504
9455	.150	1561.4	14.97	-4.94	1.4437	-.0360	-.0723	.0225	.0423	-.0610
9456	.150	1574.3	17.86	-4.94	1.6921	-.0262	-.1033	.0162	.0342	-.0465
9457	.149	1554.4	29.69	-5.02	2.2246	-.0232	-.2408	.0046	.0238	.0326
9458	.152	1602.6	29.72	-5.06	2.2579	-.0135	-.2473	.0038	.0234	.0399
9459	.150	1571.4	34.69	-5.01	2.3875	-.0054	-.3623	.0092	.0182	.0813
9460	.150	1579.2	39.59	-5.11	2.3541	-.0151	-.4191	.0146	.0081	.1083
9461	.150	1573.8	44.57	-5.11	2.4639	-.0238	-.4694	.0197	.0106	.0922
9462	.150	1571.2	49.98	-5.11	2.5359	-.0271	-.6236	.0219	.0069	.0970
9463	.150	1572.7	9.86	-4.93	1.0793	-.0268	-.0281	.0024	.0349	-.0500

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7 X 10 HIGH SPEED TUNNEL

TEST	23		RUN	83						
TP	MACH	Q	ALPHA	BETA	CL(SA)	CD(SA)	CPM(SA)	CRM(SA)	CYM(SA)	CSF(SA)
		PA	DEG	DEG						
9464	.150	1571.9	9.96	-9.88	1.0458	.1517	-.0371	.0156	.0229	.0449
9465	.150	1566.9	14.96	-9.91	1.4070	.3406	-.0726	.0446	.0265	.0372
9466	.151	1581.5	19.91	-9.73	1.6269	.5658	-.1014	.0388	.0221	.0235
9467	.151	1580.7	24.89	-9.93	1.7817	.7905	-.1897	.0373	.0184	.0528
9468	.150	1577.8	29.62	-10.05	1.9181	1.0609	-.2553	.0347	.0186	.0940
9469	.150	1568.6	34.66	-10.03	1.9307	1.3234	-.3541	.0337	.0096	.1453
9470	.149	1546.9	39.72	-9.99	1.8096	1.4921	-.4129	.0340	-.0037	.1857
9471	.144	1446.8	49.67	-10.10	1.6504	1.8954	-.5815	.0390	-.0140	.1957
9472	.150	1570.7	10.03	-9.93	1.0572	.1555	-.0387	.0160	.0228	.0347
9473	.151	1585.7	44.70	-10.10	1.7529	1.6956	-.4772	.0377	-.0104	.1803

TEST	23		RUN	83						
TP	MACH	Q	ALPHA	BETA	CNF(BA)	CAF(BA)	CPM(BA)	CRM(BA)	CYM(BA)	CSF(BA)
		PA	DEG	DEG						
9464	.150	1571.9	9.96	-9.88	1.0563	-.0314	-.0371	.0114	.0253	.0449
9465	.150	1568.9	14.96	-9.91	1.4472	-.0342	-.0726	.0362	.0371	.0372
9466	.151	1581.5	19.91	-9.73	1.7223	-.0220	-.1014	.0290	.0339	.0235
9467	.151	1580.7	24.89	-9.93	1.9489	-.0325	-.1897	.0261	.0323	.0528
9468	.150	1577.8	29.62	-10.05	2.1918	-.0259	-.2553	.0210	.0334	.0940
9469	.150	1568.6	34.66	-10.03	2.3407	-.0096	-.3541	.0223	.0271	.1453
9470	.149	1546.9	39.72	-9.99	2.3454	-.0086	-.4129	.0285	.0189	.1857
9471	.144	1446.8	49.67	-10.10	2.5131	-.0313	-.5815	.0360	.0207	.1957
9472	.150	1570.7	10.03	-9.93	1.0681	-.0310	-.0387	.0118	.0252	.0347
9473	.151	1585.7	44.70	-10.10	2.4386	-.0275	-.4772	.0342	.0191	.1803

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7 X 10 HIGH SPEED TUNNEL

TEST TP	23 MACH	Q PA	RUN 84 ALPHA DEG	BETA DEG	CL(SA)	CD(SA)	CPH(SA)	CRM(SA)	CYM(SA)	CSF(SA)
9474	.150	1577.3	9.80	-19.96	.9660	.1435	-.0633	.0261	-.0026	.2502
9475	.151	1583.2	14.80	-19.76	1.3181	.2883	-.0879	.0552	.0080	.2170
9476	.151	1585.3	19.94	-19.64	1.5934	.5107	-.1377	.0562	.0149	.1793
9477	.151	1587.0	24.63	-19.84	1.7318	.7384	-.1946	.0517	.0139	.1941
9478	.151	1591.4	29.95	-19.70	1.8037	.9956	-.2256	.0601	.0105	.2413
9479	.150	1578.6	34.84	-19.86	1.8095	1.2147	-.2833	.0627	.0063	.2746
9480	.150	1572.1	39.81	-20.02	1.7449	1.4172	-.3795	.0651	.0020	.3186
9481	.150	1571.2	44.67	-19.84	1.6745	1.6113	-.4585	.0640	-.0127	.3451
9482	.151	1588.4	47.03	-20.01	1.6289	1.6979	-.4864	.0646	-.0167	.3553
9483	.150	1577.3	10.10	-19.89	.9989	.1485	-.0646	.0275	-.0025	.2478

TEST TP	23 MACH	Q PA	RUN 84 ALPHA DEG	BETA DEG	CNF(BA)	CAF(BA)	CPH(BA)	CRM(BA)	CYM(BA)	CSF(BA)
9474	.150	1577.3	9.80	-19.96	.9764	-.0230	-.0633	.0262	.0019	.2502
9475	.151	1583.2	14.80	-19.76	1.3480	-.0581	-.0879	.0513	.0219	.2170
9476	.151	1585.3	19.94	-19.64	1.6720	-.0632	-.1377	.0478	.0331	.1793
9477	.151	1587.0	24.63	-19.84	1.8820	-.0505	-.1946	.0412	.0342	.1941
9478	.151	1591.4	29.95	-19.70	2.0599	-.0378	-.2256	.0468	.0391	.2413
9479	.150	1578.6	34.84	-19.86	2.1791	-.0368	-.2833	.0467	.0426	.2746
9480	.150	1572.1	39.81	-20.02	2.2477	-.0286	-.3795	.0488	.0432	.3186
9481	.150	1571.2	44.67	-19.84	2.3237	-.0311	-.4585	.0544	.0360	.3451
9482	.151	1588.4	47.03	-20.01	2.3526	-.0346	-.4864	.0563	.0358	.3553
9483	.150	1577.3	10.10	-19.89	1.0094	-.0290	-.0646	.0275	.0024	.2478

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7 X 10 HIGH SPEED TUNNEL

TEST TP	23 MACH	Q PA	RUN 85 ALPHA DEG	BETA DEG	CL(SA)	CD(SA)	CPH(SA)	CRM(SA)	CYM(SA)	CSF(SA)
9486	.151	1591.9	.03	-.02	-.0196	.1014	.3034	-.0060	.0421	-.1397
9487	.151	1585.8	10.08	-.01	.8606	.1454	.3021	.0001	.0427	-.1443
9488	.150	1570.9	14.95	-.00	1.2212	.2711	.2372	-.0013	.0401	-.1402
9489	.152	1619.0	19.84	-.01	1.3509	.4636	.2214	.0139	.0337	-.1247
9490	.150	1568.3	24.94	-.02	1.5644	.6776	.1156	.0083	.0199	-.0767
9491	.151	1585.5	29.77	-.00	1.7514	.9385	.0008	.0061	.0126	-.0472
9492	.149	1541.0	34.76	.02	1.8550	1.2217	-.2046	.0046	.0061	-.0236
9493	.151	1591.1	39.78	.01	1.7634	1.3784	-.4513	.0009	.0010	-.0008
9494	.149	1543.8	44.59	.03	1.6799	1.5358	-.6169	.0018	.0006	-.0097
9495	.151	1586.1	50.37	.10	1.5817	1.7425	-.7235	.0042	-.0006	.0008
9496	.151	1585.4	.05	-.02	-.0219	.1015	.3023	-.0066	.0419	-.1427

TEST TP	23 MACH	Q PA	RUN 85 ALPHA DEG	BETA DEG	CNF(BA)	CAF(BA)	CPH(BA)	CRM(BA)	CYM(BA)	CSF(BA)
9486	.151	1591.9	.08	-.02	-.0195	.1015	.3034	-.0061	.0421	-.1397
9487	.151	1585.8	10.08	-.01	.8727	-.0075	.3021	-.0074	.0421	-.1443
9488	.150	1570.9	14.95	-.00	1.2498	-.0532	.2372	-.0116	.0364	-.1402
9489	.152	1619.0	19.84	-.01	1.4280	-.0225	.2214	.0016	.0364	-.1247
9490	.150	1568.3	24.94	-.02	1.7042	-.0452	.1156	-.0009	.0216	-.0767
9491	.151	1585.5	29.77	-.00	1.9867	-.0551	.0008	-.0009	.0140	-.0472
9492	.149	1541.0	34.76	.02	2.2205	-.0540	-.2046	.0003	.0076	-.0236
9493	.151	1591.1	39.78	.01	2.2371	-.0689	-.4513	.0000	.0013	-.0008
9494	.149	1543.8	44.59	.03	2.2745	-.0857	-.6169	.0009	.0017	-.0097
9495	.151	1586.1	50.37	.10	2.3509	-.1069	-.7235	.0031	.0028	.0008
9496	.151	1585.4	.05	-.02	-.0218	.1015	.3023	-.0066	.0419	-.1427

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7 X 10 HIGH SPEED TUNNEL

TEST TP	23 MACH	Q PA	RUN 86 ALPHA DEG	BETA DEG	CL(SA)	CD(SA)	CPM(SA)	CRM(SA)	CYM(SA)	CSF(SA)
9497	.151	1596.0	9.92	5.13	.8559	.1436	.2910	-.0057	.0510	-.2149
9498	.151	1581.7	14.70	5.01	1.2188	.2586	.2553	-.0181	.0461	-.1981
9499	.150	1566.9	19.94	5.05	1.3917	.4836	.2129	-.0032	.0287	-.1582
9500	.151	1582.3	24.68	4.94	1.5962	.6931	.1080	-.0048	.0218	-.1499
9501	.151	1581.4	29.65	4.88	1.7758	.9403	.0122	-.0033	.0136	-.1360
9502	.151	1594.1	34.75	5.15	1.8273	1.2007	-.2134	-.0171	.0030	-.1019
9503	.151	1581.7	39.77	5.06	1.7949	1.4013	-.4352	-.0183	.0069	-.0769
9504	.151	1592.4	44.65	5.13	1.6618	1.5136	-.6447	-.0193	.0093	-.0553
9505	.149	1558.8	50.21	4.94	1.6010	1.7521	-.7088	-.0112	.0080	-.0676
9506	.150	1571.1	9.75	4.80	.8678	.1507	.2916	-.0053	.0507	-.2227

TEST TP	23 MACH	Q PA	RUN 86 ALPHA DEG	BETA DEG	CNF(BA)	CAF(BA)	CPM(BA)	CRM(BA)	CYM(BA)	CSF(BA)
9497	.151	1596.0	9.92	5.13	.8678	-.0059	.2910	-.0144	.0493	-.2149
9498	.151	1581.7	14.70	5.01	1.2445	-.0592	.2553	-.0292	.0400	-.1981
9499	.150	1566.9	19.94	5.05	1.4732	-.0199	.2129	-.0128	.0259	-.1582
9500	.151	1582.3	24.68	4.94	1.7398	-.0366	.1080	-.0135	.0178	-.1499
9501	.151	1581.4	29.65	4.88	2.0084	-.0614	.0122	-.0096	.0102	-.1360
9502	.151	1594.1	34.75	5.15	2.1857	-.0551	-.2134	-.0157	-.0072	-.1019
9503	.151	1581.7	39.77	5.06	2.2761	-.0712	-.4352	-.0185	-.0064	-.0769
9504	.151	1592.4	44.65	5.13	2.2460	-.0910	-.6447	-.0203	-.0069	-.0553
9505	.149	1558.8	50.21	4.94	2.3708	-.1090	-.7088	-.0133	-.0034	-.0676
9506	.150	1571.1	9.75	4.80	.8808	.0016	.2916	-.0138	.0490	-.2227

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TEST	23		RUN	87						
TP	MACH	Q	ALPHA	BETA	CL(SA)	CD(SA)	CPM(SA)	CRM(SA)	CYM(SA)	CSF(SA)
		PA	DEG	DEG						
9507	.150	1573.7	9.88	9.85	.8736	.1549	.2791	-.0117	.0570	-.2876
9508	.151	1597.9	14.77	10.06	1.1806	.2475	.2660	-.0277	.0470	-.2532
9509	.151	1587.5	19.74	9.83	1.3823	.4609	.2241	-.0159	.0278	-.2028
9510	.152	1616.7	24.81	9.72	1.6155	.7059	.0978	-.0190	.0218	-.2122
9511	.151	1588.9	29.52	9.97	1.7656	.9299	.0111	-.0181	.0166	-.2140
9512	.151	1592.7	34.57	10.02	1.8438	1.1934	-.1506	-.0249	.0051	-.1965
9513	.150	1579.0	39.52	9.99	1.7973	1.3778	-.3328	-.0357	.0055	-.1650
9514	.151	1590.4	44.81	9.90	1.7375	1.5935	-.4783	-.0307	.0138	-.1713
9515	.150	1573.5	49.77	9.86	1.6635	1.7684	-.6154	-.0273	.0163	-.1827
9516	.151	1586.8	9.77	9.93	.8429	.1411	.2823	-.0105	.0566	-.2829

TEST	23		RUN	87						
TP	MACH	Q	ALPHA	BETA	CNF(BA)	CAF(BA)	CPM(BA)	CRM(BA)	CYM(BA)	CSF(BA)
		PA	DEG	DEG						
9507	.150	1573.7	9.88	9.85	.8873	.0027	.2791	-.0214	.0541	-.2876
9508	.151	1597.9	14.77	10.06	1.2047	-.0616	.2660	-.0388	.0383	-.2532
9509	.151	1587.5	19.74	9.83	1.4568	-.0330	.2241	-.0244	.0208	-.2028
9510	.152	1616.7	24.81	9.72	1.7626	-.0371	.0978	-.0264	.0118	-.2122
9511	.151	1588.9	29.52	9.97	1.9946	-.0609	.0111	-.0239	.0056	-.2140
9512	.151	1592.7	34.57	10.02	2.1954	-.0636	-.1506	-.0234	-.0099	-.1965
9513	.150	1579.0	39.52	9.99	2.2632	-.0808	-.3328	-.0310	-.0185	-.1650
9514	.151	1590.4	44.81	9.90	2.3557	-.0939	-.4783	-.0315	-.0118	-.1713
9515	.150	1573.5	49.77	9.86	2.4398	-.1148	-.6154	-.0301	-.0104	-.1827
9516	.151	1586.8	9.77	9.93	.8546	-.0041	.2823	-.0200	.0540	-.2829

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7 X 10 HIGH SPEED TUNNEL

TEST TP	23 MACH	Q PA	RUN ALPHA DEG	88 BETA DEG	CL(SA)	CD(SA)	CPM(SA)	CRM(SA)	CYM(SA)	CSF(SA)
9517	.152	1605.5	10.03	-4.81	.8580	.1520	.3013	.0049	.0320	-.0536
9518	.150	1574.2	14.75	-4.98	1.1877	.2712	.2502	.0230	.0337	-.0627
9519	.151	1583.8	19.92	-4.90	1.3802	.4738	.2277	.0260	.0296	-.0597
9520	.149	1553.4	24.63	-4.77	1.5876	.6933	.1076	.0245	.0231	-.0282
9521	.150	1578.6	29.72	-5.12	1.7701	.9483	.0246	.0212	.0205	.0130
9522	.150	1580.6	34.88	-4.77	1.8186	1.2037	-.2025	.0230	.0115	.0660
9523	.151	1584.3	39.72	-4.94	1.7860	1.3844	-.3837	.0222	-.0026	.0757
9524	.150	1575.0	44.71	-5.15	1.7141	1.5591	-.5513	.0196	-.0069	.0791
9525	.151	1582.3	50.26	-5.03	1.5892	1.7436	-.7027	.0210	-.0101	.0761
9526	.151	1589.8	10.25	-4.94	.8676	.1525	.3021	.0047	.0319	-.0528

TEST TP	23 MACH	Q PA	RUN ALPHA DEG	88 BETA DEG	CNF(BA)	CAF(BA)	CPM(BA)	CRM(BA)	CYM(BA)	CSF(BA)
9517	.152	1605.5	10.03	-4.81	.8714	.0001	.3013	-.0007	.0324	-.0536
9518	.150	1574.2	14.75	-4.98	1.2176	-.0402	.2502	.0137	.0384	-.0627
9519	.151	1583.8	19.92	-4.90	1.4590	-.0248	.2277	.0144	.0367	-.0597
9520	.149	1553.4	24.63	-4.77	1.7321	-.0313	.1076	.0126	.0312	-.0282
9521	.150	1578.6	29.72	-5.12	2.0074	-.0540	.0246	.0083	.0283	.0130
9522	.150	1580.6	34.88	-4.77	2.1804	-.0525	-.2025	.0122	.0226	.0660
9523	.151	1584.3	39.72	-4.94	2.2584	-.0764	-.3837	.0187	.0122	.0757
9524	.150	1575.0	44.71	-5.15	2.3150	-.0979	-.5513	.0187	.0089	.0791
9525	.151	1582.3	50.26	-5.03	2.3967	-.1074	-.7027	.0212	.0096	.0761
9526	.151	1589.8	10.25	-4.94	.8809	-.0043	.3021	-.0011	.0322	-.0528

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7 X 10 HIGH SPEED TUNNEL

TEST	23		RUN	89						
TP	MACH	Q	ALPHA	BETA	CL(SA)	CD(SA)	CPM(SA)	CRM(SA)	CYM(SA)	CSF(SA)
		PA	DEG	DEG						
9527	.151	1588.0	10.01	-9.72	.8412	.1518	.2846	.0115	.0215	.0361
9528	.150	1579.8	14.94	-9.88	1.1635	.2585	.2622	.0331	.0263	.0136
9529	.151	1583.6	19.95	-9.96	1.4106	.4913	.2182	.0387	.0274	.0033
9530	.151	1596.5	24.62	-9.92	1.5827	.6848	.1187	.0404	.0251	.0167
9531	.149	1558.5	29.71	-10.01	1.7636	.9556	.0166	.0404	.0244	.0723
9532	.151	1583.1	34.54	-10.02	1.7753	1.1474	-.1436	.0404	.0134	.1158
9533	.150	1577.0	39.81	-10.14	1.7605	1.3672	-.3624	.0403	-.0011	.1539
9534	.151	1584.0	44.56	-10.06	1.7118	1.5515	-.5022	.0351	-.0121	.1702
9535	.151	1581.0	49.77	-9.74	1.6145	1.7398	-.6465	.0343	-.0151	.1631
9536	.153	1629.3	10.04	-9.84	.8440	.1516	.2848	.0115	.0210	.0380

TEST	23		RUN	89						
TP	MACH	Q	ALPHA	BETA	CNF(BA)	CAF(BA)	CPM(BA)	CRM(BA)	CYM(BA)	CSF(BA)
		PA	DEG	DEG						
9527	.151	1588.0	10.01	-9.72	.8547	.0032	.2846	.0076	.0231	.0361
9528	.150	1579.8	14.94	-9.88	1.1908	-.0502	.2622	.0252	.0339	.0136
9529	.151	1583.6	19.95	-9.96	1.4936	-.0195	.2182	.0270	.0389	.0033
9530	.151	1598.5	24.62	-9.92	1.7241	-.0370	.1187	.0263	.0397	.0167
9531	.149	1558.5	29.71	-10.01	2.0054	-.0439	.0166	.0230	.0412	.0723
9532	.151	1583.1	34.54	-10.02	2.1129	-.0615	-.1436	.0257	.0339	.1158
9533	.150	1577.6	39.81	-10.14	2.2277	-.0769	-.3624	.0317	.0249	.1539
9534	.151	1584.0	44.56	-10.06	2.3093	-.0956	-.5022	.0335	.0160	.1702
9535	.151	1581.0	49.77	-9.74	2.3710	-.1087	-.6465	.0337	.0165	.1631
9536	.153	1629.3	10.04	-9.84	.8575	.0021	.2848	.0077	.0227	.0380

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7 X 10 HIGH SPEED TUNNEL

TEST TP	23 MACH	Q PA	RUN ALPHA DEG	90 BETA DEG	CL(SA)	CD(SA)	CPM(SA)	CRM(SA)	CYM(SA)	CSF(SA)
9537	.151	1600.0	10.01	-19.88	.7475	.1324	.2530	.0207	-.0006	.2319
9538	.151	1589.3	14.68	-19.84	1.0865	.2389	.2282	.0462	.0110	.2099
9539	.150	1580.3	19.84	-19.67	1.3952	.4554	.1715	.0518	.0205	.1704
9540	.151	1588.0	24.72	-19.43	1.5269	.6282	.1044	.0494	.0237	.1680
9541	.150	1580.4	29.56	-19.79	1.6390	.8486	.0139	.0628	.0189	.1985
9542	.151	1582.2	34.63	-19.91	1.6474	1.0896	-.0622	.0680	.0137	.2542
9543	.151	1582.9	39.62	-20.66	1.6545	1.2744	-.1981	.0701	.0069	.3063
9544	.150	1577.8	44.57	-19.91	1.6430	1.4956	-.3926	.0669	-.0140	.3327
9545	.151	1589.5	47.40	-19.71	1.6083	1.6018	-.4805	.0637	-.0232	.3324
9546	.150	1573.9	10.10	-19.61	.7517	.1317	.2523	.0203	.0001	.2193

TEST TP	23 MACH	Q PA	RUN ALPHA DEG	90 BETA DEG	CNF(BA)	CAF(BA)	CPM(BA)	CRM(BA)	CYM(BA)	CSF(BA)
9537	.151	1600.0	10.01	-19.88	.7591	.0005	.2530	.0205	.0030	.2319
9538	.151	1589.3	14.68	-19.84	1.1115	-.0443	.2282	.0419	.0223	.2099
9539	.150	1580.3	19.84	-19.67	1.4671	-.0449	.1715	.0418	.0369	.1704
9540	.151	1588.0	24.72	-19.93	1.6497	-.0678	.1044	.0350	.0421	.1680
9541	.150	1580.4	29.56	-19.79	1.8443	-.0703	.0139	.0454	.0474	.1985
9542	.151	1582.2	34.63	-19.91	2.0158	-.0682	-.0622	.0482	.0500	.2542
9543	.151	1582.9	39.62	-20.66	2.0871	-.0734	-.1981	.0496	.0500	.3063
9544	.150	1577.8	44.57	-19.91	2.2201	-.0677	-.3926	.0575	.0369	.3327
9545	.151	1589.5	47.40	-19.71	2.2677	-.0996	-.4805	.0602	.0312	.3324
9546	.150	1573.9	10.10	-19.61	.7632	-.0022	.2523	.0200	.0037	.2193

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7 X 10 HIGH SPEED TUNNEL

TEST TP	23 MACH	Q PA	RUN 91 ALPHA DEG	BETA DEG	CL(SA)	CD(SA)	CPM(SA)	CRM(SA)	CYM(SA)	CSF(SA)
9549	.151	1594.6	.04	-.02	-.1343	.1905	.4614	-.0072	.0428	-.1368
9550	.151	1594.6	9.83	.05	.6790	.2129	.5446	-.0011	.0420	-.1353
9551	.150	1578.9	14.90	.06	1.0052	.2718	.5449	-.0048	.0402	-.1300
9552	.152	1610.7	19.71	.12	1.1590	.4644	.4945	.0104	.0317	-.1122
9553	.150	1563.5	24.73	.13	1.3513	.6263	.3836	.0069	.0197	-.0742
9554	.149	1543.9	29.68	.18	1.5763	.8918	.2766	.0046	.0132	-.0460
9555	.151	1587.4	34.76	.20	1.6340	1.1057	.0766	.0022	.0063	-.0146
9556	.151	1581.5	39.69	.25	1.9771	1.2531	-.1261	-.0018	.0003	.0074
9557	.151	1597.6	44.45	.29	1.4960	1.3807	-.2373	-.0001	.0005	-.0160
9558	.148	1538.4	49.64	.33	1.4172	1.5334	-.3235	.0042	.0009	-.0074
9559	.151	1596.8	.02	-.02	-.1361	.1915	.4603	-.0069	.0429	-.1460

TEST TP	23 MACH	Q PA	RUN 91 ALPHA DEG	BETA DEG	CNF(BA)	CAF(BA)	CPM(BA)	CRM(BA)	CYM(BA)	CSF(BA)
9549	.151	1594.6	.04	-.02	-.1341	.1406	.4614	-.0072	.0427	-.1368
9550	.151	1594.6	9.83	.05	.7054	.0438	.5446	-.0082	.0412	-.1353
9551	.150	1578.9	14.90	.06	1.0413	.0041	.5449	-.0150	.0376	-.1300
9552	.152	1610.7	19.71	.12	1.2477	.0463	.4945	-.0009	.0334	-.1122
9553	.150	1563.5	24.73	.13	1.4893	.0034	.3836	-.0020	.0208	-.0742
9554	.149	1543.9	29.68	.18	1.8111	-.0057	.2766	-.0025	.0138	-.0460
9555	.151	1587.4	34.76	.20	1.9728	-.0233	.0766	-.0018	.0064	-.0146
9556	.151	1581.5	39.69	.25	2.0138	-.0429	-.1261	-.0016	-.0009	.0074
9557	.151	1597.6	44.45	.29	2.0349	-.0621	-.2373	-.0004	.0003	-.0160
9558	.148	1538.4	49.64	.33	2.0862	-.0868	-.3235	.0024	.0035	-.0074
9559	.151	1596.8	.02	-.02	-.1361	.1915	.4603	-.0069	.0429	-.1460

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7 X 10 HIGH SPEED TUNNEL

TEST	23		RUN	92						
TP	MACH	Q	ALPHA	BETA	CL(SA)	CD(SA)	CPM(SA)	CRM(SA)	CYM(SA)	CSF(SA)
		PA	DEG	DEG						
9560	.150	1571.7	9.86	4.89	.6772	.2123	.5462	-.0099	.0483	-.2191
9561	.151	1588.2	14.91	4.79	1.0026	.2900	.5468	-.0200	.0445	-.2012
9562	.150	1576.8	19.82	4.79	1.1656	.4675	.5072	-.0039	.0270	-.1495
9563	.150	1578.0	24.69	5.01	1.3897	.6532	.3896	-.0078	.0196	-.1423
9564	.151	1589.3	29.75	4.83	1.5832	.8951	.2936	-.0052	.0108	-.1312
9565	.150	1580.4	34.75	5.15	1.6346	1.1011	.0790	-.0160	.0004	-.0999
9566	.151	1581.2	39.51	4.85	1.6084	1.2558	-.0806	-.0156	.0047	-.0721
9567	.151	1595.6	44.60	4.96	1.4616	1.3492	-.2628	-.0147	.0087	-.0583
9568	.150	1566.4	50.20	4.77	1.4359	1.5750	-.3318	-.0076	.0076	-.0665
9569	.150	1572.1	9.90	5.02	.6860	.2145	.5490	-.0101	.0483	-.2087

TEST	23		RUN	92						
TP	MACH	Q	ALPHA	BETA	CNF(BA)	CAF(BA)	CPM(BA)	CRM(BA)	CYM(BA)	CSF(BA)
		PA	DEG	DEG						
9560	.150	1571.7	9.86	4.89	.7035	.0931	.5462	-.0180	.0459	-.2191
9561	.151	1588.2	14.91	4.79	1.0435	.0223	.5468	-.0300	.0379	-.2012
9562	.150	1576.8	19.82	4.79	1.2550	.0446	.5072	-.0128	.0241	-.1495
9563	.150	1578.0	24.69	5.01	1.5355	.0131	.3896	-.0153	.0145	-.1423
9564	.151	1589.3	29.78	4.83	1.8187	-.0095	.2936	-.0099	.0068	-.1312
9565	.150	1580.4	34.75	5.15	1.9707	-.0270	.0790	-.0134	-.0088	-.0999
9566	.151	1581.2	39.51	4.85	2.0398	-.0543	-.0806	-.0150	-.0062	-.0721
9567	.151	1595.6	44.60	4.96	1.9881	-.0656	-.2628	-.0166	-.0042	-.0583
9568	.150	1566.4	50.20	4.77	2.1291	-.0952	-.3318	-.0107	-.0010	-.0665
9569	.150	1572.1	9.90	5.02	.7127	.0934	.5490	-.0183	.0458	-.2087

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7 X 10 HIGH SPEED TUNNEL

TEST	23		RUN	93							
TP	MACH	Q	ALPHA	BETA	CL(SA)	CD(SA)	CPM(SA)	CRM(SA)	CYM(SA)	CSF(SA)	
		PA	DEG	DEG							
9570	.150	1577.7	10.05	9.70	.6586	.2011	.5326	-.0167	.0522	-.2717	
9571	.151	1589.7	15.02	9.91	.9928	.2976	.5605	-.0318	.0398	-.2348	
9572	.152	1604.9	19.84	9.02	1.1812	.4714	.5195	-.0156	.0240	-.1845	
9573	.150	1572.5	24.93	9.74	1.3882	.6534	.4032	-.0197	.0194	-.1999	
9574	.151	1586.2	29.60	9.79	1.5449	.8606	.3246	-.0198	.0153	-.2050	
9575	.149	1559.3	34.81	10.01	1.6624	1.1170	.1311	-.0248	.0007	-.2010	
9576	.151	1585.4	39.61	9.97	1.6266	1.2658	-.0272	-.0316	.0037	-.1634	
9577	.150	1573.3	44.44	9.78	1.5867	1.4509	-.1470	-.0263	.0118	-.1708	
9578	.150	1574.6	49.73	9.81	1.5226	1.6329	-.2700	-.0216	.0148	-.1917	
9579	.149	1552.1	9.83	9.94	.6483	.2013	.5311	-.0172	.0523	-.2712	

TEST	23		RUN	93							
TP	MACH	Q	ALPHA	BETA	CNF(BA)	CAF(BA)	CPM(BA)	CRM(BA)	CYM(BA)	CSF(BA)	
		PA	DEG	DEG							
9570	.150	1577.7	10.05	9.70	.6836	.0831	.5326	-.0255	.0485	-.2717	
9571	.151	1589.7	15.02	9.91	1.0360	.0302	.5605	-.0411	.0302	-.2348	
9572	.152	1604.9	19.84	9.02	1.2711	.0426	.5195	-.0228	.0173	-.1845	
9573	.150	1572.5	24.93	9.74	1.5342	.0073	.4032	-.0261	.0092	-.1999	
9574	.151	1586.2	29.60	9.79	1.7684	-.0147	.3246	-.0248	.0036	-.2050	
9575	.149	1559.3	34.81	10.01	2.0026	-.0318	.1311	-.0208	-.0135	-.2010	
9576	.151	1585.4	39.61	9.97	2.0601	-.0621	-.0272	-.0267	-.0173	-.1634	
9577	.150	1573.3	44.44	9.78	2.1488	-.0751	-.1470	-.0271	-.0100	-.1708	
9578	.150	1574.6	49.73	9.81	2.2301	-.1062	-.2700	-.0252	-.0069	-.1917	
9579	.149	1552.1	9.83	9.94	.6731	.0877	.5311	-.0259	.0466	-.2712	

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7 X 10 HIGH SPEED TUNNEL

TEST	23		RUN	94						
TP	MACH	Q	ALPHA	BETA	CL(SA)	CD(SA)	CPM(SA)	CRM(SA)	CYM(SA)	CSF(SA)
		PA	DEG	DEG						
9580	.151	1588.6	9.77	-5.09	.6499	.2095	.5352	.0061	.0306	-.0343
9581	.151	1582.6	14.75	-4.92	1.0006	.2840	.5255	.0089	.0293	-.0484
9582	.151	1581.6	19.83	-4.97	1.1880	.4757	.4999	.0244	.0303	-.0599
9583	.149	1544.7	24.81	-4.75	1.3983	.6633	.3789	.0241	.0244	-.0291
9584	.151	1593.5	29.68	-4.92	1.5879	.9007	.3043	.0210	.0218	.0056
9585	.151	1585.4	34.63	-4.78	1.6306	1.0887	.1296	.0205	.0127	.0575
9586	.150	1572.5	39.74	-4.87	1.6062	1.2720	-.0935	.0191	-.0035	.0794
9587	.151	1591.5	44.50	-4.94	1.5411	1.4054	-.2047	.0163	-.0057	.0810
9588	.149	1558.0	50.22	-4.85	1.4536	1.5907	-.3396	.0174	-.0087	.0755
9589	.150	1560.7	9.98	-4.77	.6409	.2010	.5366	.0058	.0318	-.0472

TEST	23		RUN	94						
TP	MACH	Q	ALPHA	BETA	CNF(BA)	CAF(BA)	CPM(BA)	CRM(BA)	CYM(BA)	CSF(BA)
		PA	DEG	DEG						
9580	.151	1588.6	9.77	-5.09	.6760	.0962	.5352	.0009	.0312	-.0343
9581	.151	1582.6	14.75	-4.92	1.0399	.0200	.5255	.0012	.0306	-.0484
9582	.151	1581.6	19.83	-4.97	1.2790	.0445	.4999	.0127	.0368	-.0599
9583	.149	1544.7	24.81	-4.75	1.5476	.0152	.3789	.0116	.0323	-.0291
9584	.151	1593.5	29.68	-4.92	1.8256	-.0037	.3043	.0075	.0293	.0056
9585	.151	1585.4	34.63	-4.78	1.9604	-.0309	.1296	.0096	.0221	.0575
9586	.150	1572.5	39.74	-4.87	2.0483	-.0487	-.0935	.0169	.0095	.0794
9587	.151	1591.5	44.50	-4.94	2.0843	-.0777	-.2047	.0157	.0074	.0810
9588	.149	1558.0	50.22	-4.85	2.1526	-.0994	-.3396	.0178	.0079	.0755
9589	.150	1560.7	9.98	-4.77	.6660	.0869	.5366	.0002	.0323	-.0472

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7 X 10 HIGH SPEED TUNNEL

TEST	23		RUN	95							
TP	MACH	Q	ALPHA	BETA	CL(SA)	CD(SA)	CPM(SA)	CRM(SA)	CYM(SA)	CSF(SA)	
		PA	DEG	DEG							
9590	.151	1594.3	9.73	-10.03	.6179	.1944	.4981	.0124	.0218	.0449	
9591	.151	1582.6	15.02	-9.98	.9639	.2835	.5314	.0285	.0249	.0319	
9592	.150	1579.6	20.09	-9.75	1.2181	.4900	.4717	.0345	.0296	.0072	
9593	.151	1590.4	24.75	-9.92	1.3953	.6577	.3853	.0388	.0282	.0109	
9594	.150	1580.5	29.71	-10.01	1.5622	.8919	.3020	.0402	.0260	.0645	
9595	.151	1584.3	34.66	-9.79	1.5986	1.0780	.1190	.0371	.0147	.1159	
9596	.151	1585.8	39.83	-9.99	1.6127	1.2738	-.0774	.0361	-.0018	.1621	
9598	.150	1576.0	49.69	-10.00	1.4737	1.5745	-.3157	.0294	-.0142	.1769	
9599	.150	1567.8	9.74	-9.92	.6435	.2074	.4948	.0122	.0214	.0411	

TEST	23		RUN	95							
TP	MACH	Q	ALPHA	BETA	CNF(BA)	CAF(BA)	CPM(BA)	CRM(BA)	CYM(BA)	CSF(BA)	
		PA	DEG	DEG							
9590	.151	1594.3	9.73	-10.03	.6419	.0872	.4981	.0085	.0236	.0449	
9591	.151	1582.6	15.02	-9.98	1.0044	.0240	.5314	.0211	.0314	.0319	
9592	.150	1579.6	20.09	-9.75	1.3123	.0419	.4717	.0222	.0397	.0072	
9593	.151	1590.4	24.75	-9.92	1.5425	.0131	.3853	.0234	.0418	.0109	
9594	.150	1580.5	29.71	-10.01	1.7989	.0004	.3020	.0221	.0425	.0645	
9595	.151	1584.3	34.66	-9.79	1.9280	-.0226	.1190	.0221	.0331	.1159	
9596	.151	1585.8	39.83	-9.99	2.0543	-.0548	-.0774	.0288	.0218	.1621	
9598	.150	1576.0	49.69	-10.00	2.1540	-.1052	-.3157	.0298	.0133	.1769	
9599	.150	1567.8	9.74	-9.92	.6693	.0955	.4948	.0084	.0231	.0411	

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7 X 10 HIGH SPEED TUNNEL

TEST	23	RUN 96								
TP	MACH	Q PA	ALPHA DEG	BETA DEG	CL(SA)	CD(SA)	CPM(SA)	CRM(SA)	CYM(SA)	CSF(SA)
9600	.151	1584.4	9.83	-19.93	.5797	.1882	.4364	.0230	.0023	.2266
9601	.151	1583.8	14.85	-19.72	.9097	.2687	.4540	.0406	.0116	.1961
9602	.151	1582.2	20.76	-19.61	1.2433	.4942	.4176	.0440	.0258	.1705
9603	.151	1562.1	24.74	-19.60	1.3689	.6313	.3662	.0435	.0293	.1575
9604	.151	1585.4	29.72	-19.98	1.4557	.8066	.2811	.0585	.0227	.2030
9605	.151	1597.5	34.77	-19.98	1.5031	1.0076	.2012	.0634	.0171	.2593
9606	.150	1579.3	39.69	-19.87	1.5164	1.1789	.0640	.0623	.0112	.2935
9607	.151	1586.8	44.69	-19.68	1.5295	1.3850	-.1649	.0572	-.0115	.3452
9608	.150	1561.0	47.31	-19.79	1.4948	1.4663	-.2256	.0555	-.0197	.3479
9609	.150	1575.6	10.06	-19.67	.5929	.1823	.4389	.0230	.0036	.2105

TEST	23		RUN	96						
TP	MACH	Q PA	ALPHA DEG	BETA DEG	CNF(BA)	CAF(BA)	CPM(BA)	CRM(BA)	CYM(BA)	CSF(BA)
9600	.151	1584.4	9.83	-19.93	.6033	.0865	.4364	.0223	.0062	.2266
9601	.151	1583.8	14.85	-19.72	.9482	.0266	.4540	.0363	.0216	.1961
9602	.151	1582.2	20.76	-19.61	1.3378	.0214	.4176	.0320	.0398	.1705
9603	.151	1582.1	24.74	-19.60	1.5074	.0004	.3662	.0272	.0448	.1575
9604	.151	1585.4	29.72	-19.98	1.6641	-.0213	.2811	.0396	.0487	.2030
9605	.151	1597.5	34.77	-19.98	1.8095	-.0294	.2012	.0423	.0502	.2593
9606	.150	1579.3	39.69	-19.87	1.9198	-.0610	.0640	.0407	.0484	.2935
9607	.151	1586.8	44.69	-19.68	2.0614	-.0909	-.1649	.0487	.0321	.3452
9608	.150	1561.0	47.31	-19.79	2.0913	-.1044	-.2256	.0521	.0274	.3479
9609	.150	1575.6	10.06	-19.67	.6157	.0760	.4389	.0221	.0076	.2105

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7 X 10 HIGH SPEED TUNNEL

TEST	23		RUN	97							
TP	MACH	Q	ALPHA	BETA	CL(SA)	CD(SA)	CPM(SA)	CRM(SA)	CYM(SA)	CSF(SA)	
		PA	DEG	DEG							
9622	.151	1596.2	.08	-.00	-.0136	.1145	.2932	-.0202	.0265	-.1017	
9623	.151	1585.9	9.83	-.02	.8220	.1549	.3095	-.0201	.0317	-.1099	
9624	.150	1582.2	15.02	-.02	1.2134	.2578	.2810	-.0228	.0345	-.1129	
9625	.151	1598.7	19.62	-.01	1.3353	.4651	.2146	-.0071	.0341	-.1079	
9626	.150	1568.5	24.73	.02	1.5794	.7038	.0981	-.0119	.0242	-.0665	
9627	.151	1596.1	29.85	.01	1.7794	.9850	-.0101	-.0105	.0222	-.0423	
9628	.150	1577.6	34.74	-.01	1.7963	1.1926	-.1500	-.0055	.0199	-.0220	
9629	.149	1558.0	39.74	.02	1.7481	1.3897	-.3503	-.0031	.0152	-.0174	
9630	.149	1560.0	44.72	-.19	1.6414	1.5361	-.5461	-.0013	.0167	-.0170	
9631	.150	1580.0	50.13	.03	1.5230	1.6928	-.6110	.0053	.0161	-.0272	
9632	.151	1585.7	.09	.00	-.0120	.1144	.2930	-.0200	.0269	-.1182	

TEST	23		RUN	97						
TP	MACH	Q PA	ALPHA DEG	BETA DEG	CNF(BA)	CAF(BA)	CPM(BA)	CRM(BA)	CYM(BA)	CSF(BA)
9622	.151	1596.2	.08	-.00	-.0134	.1146	.2932	-.0202	.0265	-.1017
9623	.151	1585.9	9.83	-.02	.8364	.0123	.3095	-.0252	.0278	-.1099
9624	.150	1582.2	15.02	-.02	1.2387	-.0655	.2810	-.0309	.0274	-.1129
9625	.151	1598.7	19.62	-.01	1.4139	-.0103	.2146	-.0181	.0297	-.1079
9626	.150	1568.5	24.73	.02	1.7290	-.0215	.0981	-.0209	.0170	-.0665
9627	.151	1596.1	29.85	.01	2.0335	-.0314	-.0108	-.0202	.0140	-.0423
9628	.150	1577.6	34.74	-.01	2.1557	-.0437	-.1506	-.0159	.0132	-.0220
9629	.149	1558.0	39.74	.02	2.2327	-.0491	-.3533	-.0121	.0097	-.0174
9630	.149	1560.0	44.72	-.19	2.2471	-.0633	-.5461	-.0127	.0110	-.0170
9631	.150	1580.0	50.13	.03	2.2755	-.0836	-.6110	-.0089	.0144	-.0272
9632	.151	1585.7	.09	.00	-.0118	.1144	.2930	-.0201	.0268	-.1182

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TEST TP	23 MACH	Q PA	RUN ALPHA DEG	98 BETA DEG	CL(SA)	CC(SA)	CPM(SA)	CRM(SA)	CYM(SA)	CSF(SA)
9633	.151	1602.0	9.90	5.05	.8631	.1657	.3139	-.0267	.0417	-.1929
9634	.151	1594.8	14.78	4.91	1.1814	.2499	.2893	-.0328	.0425	-.1948
9635	.150	1583.9	17.64	5.10	1.3630	.4814	.2192	-.0245	.0299	-.1365
9636	.150	1581.6	24.77	4.95	1.5917	.7121	.1125	-.0263	.0265	-.1279
9637	.150	1582.6	29.71	4.91	1.7633	.9587	.0314	-.0206	.0234	-.1362
9638	.150	1571.2	34.87	5.11	1.8128	1.2180	-.1874	-.0267	.0171	-.1025
9639	.151	1600.6	39.50	4.94	1.7618	1.3777	-.3211	-.0231	.0198	-.0868
9640	.149	1557.3	44.72	4.91	1.6663	1.5649	-.4113	-.0050	.0242	-.1364
9641	.150	1571.1	50.28	5.35	1.5787	1.7680	-.5195	.0034	.0306	-.1530
9642	.150	1569.4	10.11	4.96	.8752	.1667	.3109	-.0269	.0413	-.1935

TEST TP	23 MACH	Q PA	RUN ALPHA DEG	98 BETA DEG	CNF(BA)	CAF(BA)	CPM(BA)	CRM(BA)	CYM(BA)	CSF(BA)
9633	.151	1602.0	9.90	5.05	.8787	.0148	.3139	-.0335	.0365	-.1929
9634	.151	1594.8	14.78	4.91	1.2060	-.0597	.2893	-.0426	.0327	-.1948
9635	.150	1583.9	17.64	5.10	1.4456	-.0047	.2192	-.0331	.0199	-.1365
9636	.150	1581.6	24.77	4.95	1.7436	-.0204	.1125	-.0350	.0130	-.1279
9637	.150	1582.6	29.71	4.91	2.0067	-.0411	.0314	-.0295	.0101	-.1362
9638	.150	1571.2	34.87	5.11	2.1836	-.0371	-.1874	-.0317	-.0013	-.1025
9639	.151	1600.6	39.50	4.94	2.2358	-.0574	-.3211	-.0304	.0005	-.0868
9640	.149	1557.3	44.72	4.91	2.2551	-.0607	-.4113	-.0206	.0137	-.1364
9641	.150	1571.1	50.28	5.35	2.3687	-.0847	-.5195	-.0214	.0221	-.1530
9642	.150	1569.4	10.11	4.96	.8909	.0104	.3109	-.0337	.0359	-.1935

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TEST	23		RUN	99						
TP	MACH	Q	ALPHA	BETA	CL(SA)	CD(SA)	CPM(SA)	CRM(SA)	CYM(SA)	CSF(SA)
		PA	DEG	DEG						
9643	.150	1580.7	9.83	9.76	.8439	.1634	.3083	-.0326	.0473	-.2643
9644	.151	1599.6	14.85	10.00	1.1864	.2760	.2960	-.0511	.0386	-.2404
9645	.150	1574.6	19.77	9.82	1.3886	.4919	.2313	-.0373	.0273	-.1934
9646	.150	1582.2	24.87	9.80	1.5928	.7195	.1176	-.0381	.0267	-.2065
9659	.149	1545.2	29.77	9.77	1.7534	.9602	.0324	-.0330	.0241	-.2178
9660	.150	1579.6	34.82	9.82	1.8160	1.2012	-.1266	-.0357	.0187	-.1989
9661	.151	1595.4	39.49	10.12	1.7798	1.3870	-.2865	-.0403	.0196	-.1875
9662	.150	1578.5	44.72	9.85	1.7246	1.6058	-.4227	-.0282	.0274	-.2012
9663	.151	1587.7	49.77	10.01	1.6127	1.7716	-.4650	-.0157	.0291	-.2345
9664	.150	1584.1	9.72	9.99	.8384	.1636	.3104	-.0329	.0476	-.2725

TEST	23		RUN	99						
TP	MACH	Q	ALPHA	BETA	CNF(BA)	CAF(BA)	CPM(BA)	CRM(BA)	CYM(BA)	CSF(BA)
		PA	DEG	DEG						
9643	.150	1580.7	9.83	9.76	.8594	.0170	.3083	-.0402	.0410	-.2643
9644	.151	1599.6	14.85	10.00	1.2175	-.0372	.2960	-.0593	.0242	-.2404
9645	.150	1574.6	19.77	9.82	1.4731	-.0066	.2313	-.0444	.0131	-.1934
9646	.150	1582.2	24.87	9.80	1.7477	-.0170	.1176	-.0458	.0082	-.2065
9659	.149	1545.2	29.77	9.77	1.9988	-.0371	.0324	-.0406	.0046	-.2178
9660	.150	1579.6	34.82	9.82	2.1767	-.0510	-.1266	-.0400	-.0051	-.1989
9661	.151	1595.4	39.49	10.12	2.2556	-.0614	-.2865	-.0436	-.0105	-.1875
9662	.150	1578.5	44.72	9.85	2.3553	-.0724	-.4227	-.0394	-.0004	-.2012
9663	.151	1587.7	49.77	10.01	2.3941	-.0870	-.4650	-.0324	.0067	-.2345
9664	.150	1584.1	9.72	9.99	.8540	.0197	.3104	-.0405	.0414	-.2725

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TEST TP	23 MACH	Q PA	RUN 100 ALPHA DEG	BETA DEG	CL(SA)	CD(SA)	CPM(SA)	CRM(SA)	CYM(SA)	CSF(SA)
9665	.152	1615.3	9.74	-4.76	.8248	.1604	.2954	-.0129	.0215	-.0182
9666	.150	1585.3	14.90	-5.08	1.1706	.2882	.2595	.0069	.0283	-.0421
9667	.151	1590.2	19.92	-4.85	1.3840	.4834	.2121	.0065	.0287	-.0473
9668	.151	1589.4	24.61	-4.86	1.5777	.6887	.1040	.0057	.0275	-.0299
9669	.150	1573.6	29.57	-4.85	1.7808	.9727	.0073	.0019	.0280	.0271
9670	.151	1596.4	34.84	-4.80	1.7970	1.2064	-.1703	.0123	.0231	.0563
9671	.151	1602.5	39.71	-4.73	1.7538	1.3909	-.3225	.0189	.0115	.0474
9684	.153	1642.8	39.50	-4.84	1.7629	1.3783	-.3043	.0184	.0128	.0644
9685	.151	1592.3	44.54	-4.92	1.7077	1.5809	-.3645	.0299	.0114	.0298
9686	.151	1594.6	50.15	-4.98	1.5323	1.7024	-.6153	.0186	.0063	.0656
9687	.153	1640.7	9.73	-4.95	.8022	.1526	.2929	-.0133	.0216	-.0123

TEST TP	23 MACH	Q PA	RUN 100 ALPHA DEG	BETA DEG	CNF(BA)	CAF(BA)	CPM(BA)	CRM(BA)	CYM(BA)	CSF(BA)
9665	.152	1615.3	9.74	-4.76	.8400	.0185	.2954	-.0164	.0190	-.0182
9666	.150	1585.3	14.90	-5.08	1.2053	-.0224	.2595	-.0006	.0291	-.0421
9667	.151	1590.2	19.92	-4.85	1.4658	-.0170	.2121	-.0036	.0292	-.0473
9668	.151	1589.4	24.61	-4.86	1.7212	-.0310	.1040	-.0062	.0274	-.0299
9669	.150	1573.6	29.57	-4.85	2.0289	-.0326	.0073	-.0121	.0253	.0271
9670	.151	1596.4	34.84	-4.80	2.1641	-.0367	-.1703	-.0031	.0259	.0563
9671	.151	1602.5	39.71	-4.73	2.2379	-.0505	-.3225	.0072	.0209	.0474
9684	.153	1642.8	39.50	-4.84	2.2370	-.0577	-.3043	.0060	.0216	.0644
9685	.151	1592.3	44.54	-4.92	2.3260	-.0709	-.3645	.0133	.0291	.0298
9686	.151	1594.6	50.15	-4.98	2.2888	-.0854	-.6153	.0071	.0183	.0656
9687	.153	1640.7	9.73	-4.95	.8164	.0148	.2929	-.0168	.0190	-.0123

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TEST	23		RUN	101						
TP	MACH	Q	ALPHA	BETA	CL(SA)	CD(SA)	CPH(SA)	CRM(SA)	CYM(SA)	CSF(SA)
		PA	DEG	DEG						
9688	.150	1583.1	7.76	-9.79	.8180	.1606	.2641	-.0069	.0108	.0779
9689	.150	1582.5	14.76	-10.04	1.1440	.2630	.2711	.0142	.0186	.0548
9690	.150	1586.5	19.95	-9.95	1.4157	.5007	.2072	.0193	.0256	.0419
9691	.150	1585.6	24.79	-9.99	1.5911	.6994	.1116	.0203	.0278	.0455
9692	.149	1565.9	29.70	-9.97	1.7724	.9687	.0104	.0226	.0302	.0944
9693	.150	1573.3	34.71	-10.09	1.7840	1.1840	-.1616	.0275	.0232	.1435
9694	.150	1568.2	39.61	-9.92	1.7580	1.3822	-.2958	.0387	.0123	.1431
9695	.150	1587.4	4.71	-10.08	1.6996	1.5756	-.3720	.0459	.0054	.1223
9696	.149	1556.1	49.75	-9.96	1.5960	1.7504	-.5128	.0533	.0111	.1234
9697	.151	1596.3	10.03	-9.83	.8278	.1576	.2641	-.0068	.0116	.0677

TEST	23		RUN	101						
TP	MACH	Q	ALPHA	BETA	CNF(BA)	CAF(BA)	CPH(BA)	CRM(BA)	CYM(BA)	CSF(BA)
		PA	DEG	DEG						
9688	.150	1583.1	9.76	-9.79	.8334	.0196	.2641	-.0087	.0094	.0779
9689	.150	1582.5	14.76	-10.04	1.1733	-.0373	.2711	.0090	.0216	.0548
9690	.150	1586.5	19.95	-9.95	1.5016	-.0124	.2072	.0094	.0306	.0419
9691	.150	1585.6	24.79	-9.99	1.7377	-.0322	.1116	.0068	.0337	.0455
9692	.149	1565.9	29.70	-9.97	2.0195	-.0366	.0104	.0047	.0374	.0944
9693	.150	1573.3	34.71	-10.09	2.1407	-.0426	-.1616	.0094	.0348	.1435
9694	.150	1568.2	39.61	-9.92	2.2356	-.0559	-.2958	.0220	.0342	.1431
9695	.150	1587.4	44.71	-10.08	2.3163	-.0759	-.3720	.0288	.0361	.1223
9696	.149	1556.1	49.75	-9.96	2.3672	-.0872	-.5128	.0259	.0478	.1234
9697	.151	1596.3	10.03	-9.83	.8425	.0109	.2641	-.0087	.0103	.0677

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TEST	23		RUN	102						
TP	MACH	Q PA	ALPHA DEG	BETA DEG	CL(SA)	CD(SA)	CPM(SA)	CRM(SA)	CYM(SA)	CSF(SA)
9698	.151	1593.3	9.78	-19.76	.7497	.1497	.2067	.0056	-.0105	.2680
9699	.151	1609.2	14.84	-19.88	1.0767	.2473	.2174	.0273	.0026	.2323
9700	.151	1594.4	19.72	-19.81	1.3796	.4561	.1719	.0330	.0164	.2107
9701	.150	1575.4	24.76	-19.89	1.5577	.6566	.0970	.0326	.0227	.2056
9702	.150	1579.3	29.72	-19.77	1.6617	.8816	.0102	.0451	.0220	.2492
9703	.150	1582.3	34.55	-19.94	1.6993	1.0933	-.0719	.0555	.0210	.2725
9704	.150	1585.8	39.55	-20.04	1.6816	1.2991	-.2089	.0622	.0162	.3035
9705	.148	1541.3	44.59	-20.06	1.6609	1.5226	-.3557	.0660	.0003	.3233
9706	.150	1586.7	47.39	-19.76	1.6202	1.6283	-.3443	.0692	-.0033	.3096
9707	.150	1581.4	10.08	-19.98	.7620	.1417	.2082	.0061	-.0101	.2617

TEST	23		RUN	102						
TP	MACH	Q PA	ALPHA DEG	BETA DEG	CNF(BA)	CAF(BA)	CPM(BA)	C ² M(BA)	CYM(BA)	CSF(BA)
9698	.151	1593.3	9.78	-19.76	.7643	.0202	.2067	.0073	-.0094	.2680
9699	.151	1609.2	14.84	-19.88	1.1041	-.0367	.2174	.0258	.0095	.2323
9700	.151	1594.4	19.72	-19.81	1.4525	-.0361	.1719	.0255	.0266	.2107
9701	.150	1575.4	24.78	-19.89	1.6903	-.0550	.0970	.0200	.0343	.2056
9702	.150	1579.3	29.72	-19.77	1.8802	-.0581	.0102	.0283	.0414	.2492
9703	.150	1582.3	34.55	-19.94	2.0197	-.0512	-.0719	.0338	.0487	.2725
9704	.150	1585.8	39.55	-20.04	2.1238	-.0692	-.2089	.0377	.0521	.3035
9705	.148	1541.3	44.59	-20.06	2.2517	-.0818	-.3557	.0468	.0460	.3233
9706	.150	1586.7	47.39	-19.76	2.2953	-.0901	-.3893	.0493	.0467	.3096
9707	.150	1581.4	10.08	-19.98	.7750	.0061	.2082	.0078	-.0068	.2617

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TEST	23		RUN 103							
TP	MACH	Q	ALPHA	BETA	CL(SA)	CD(SA)	CPM(SA)	CRM(SA)	CYM(SA)	CSF(SA)
		PA	DEG	DEG						
9710	.151	1597.1	.04	-.01	-.1206	.1603	.4371	-.0094	.0335	-.1136
9711	.151	1596.9	9.95	-.03	.7053	.1771	.4844	-.0084	.0334	-.1134
9712	.151	1590.4	14.94	-.05	1.0764	.2581	.4708	-.0141	.0336	-.1139
9713	.152	1620.4	19.56	-.03	1.2028	.4528	.4134	.0018	.0309	-.1077
9714	.150	1583.6	24.70	-.07	1.4113	.6333	.3064	-.0019	.0198	-.0655
9715	.148	1534.1	29.68	-.01	1.6338	.9060	.1917	-.0041	.0142	-.0365
9716	.151	1607.8	34.54	-.07	1.6988	1.1140	.0271	-.0046	.0098	-.0129
9717	.150	1575.9	39.65	-.05	1.6527	1.2946	-.2254	-.0094	.0035	.0184
9718	.151	1594.9	44.50	-.05	1.5480	1.4063	-.3476	-.0078	.0045	-.0048
9719	.149	1548.7	50.17	-.11	1.4839	1.6167	-.4644	-.0027	.0056	.0053
9720	.151	1589.5	.05	-.01	-.1170	.1610	.4375	-.0096	.0334	-.1147

TEST	23		RUN 103							
TP	MACH	Q	ALPHA	BETA	CNF(BA)	CAF(BA)	CPM(BA)	CRM(BA)	CYM(BA)	CSF(BA)
		PA	DEG	DEG						
9710	.151	1597.1	.04	-.01	-.1205	.1603	.4371	-.0094	.0335	-.1136
9711	.151	1596.9	9.95	-.03	.7253	.0526	.4844	-.0141	.0315	-.1134
9712	.151	1590.4	14.94	-.05	1.1065	-.0281	.4708	-.0223	.0291	-.1139
9713	.152	1620.4	19.56	-.03	1.2907	.0153	.4134	-.0088	.0297	-.1077
9714	.150	1583.6	24.70	-.07	1.5468	-.0144	.3064	-.0100	.0172	-.0655
9715	.148	1534.1	29.68	-.01	1.8681	-.0219	.1917	-.0106	.0103	-.0365
9716	.151	1607.8	34.54	-.07	2.0310	-.0456	.0271	-.0093	.0055	-.0129
9717	.150	1575.9	39.65	-.05	2.0986	-.0577	-.2254	-.0095	-.0034	.0184
9718	.151	1594.9	44.50	-.05	2.0899	-.0819	-.3476	-.0087	-.0022	-.0048
9719	.149	1548.7	50.17	-.11	2.1920	-.1040	-.4644	-.0060	.0015	.0053
9720	.151	1589.5	.05	-.01	-.1169	.1611	.4375	-.0096	.0334	-.1147

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7 X 10 HIGH SPEED TUNNEL

TEST	23		RUN 104							
TP	MACH	Q	ALPHA	BETA	CL(SA)	CD(SA)	CPH(SA)	CRM(SA)	CYM(SA)	CSF(SA)
		PA	DEG	DEG						
9721	.150	1588.4	4.90	-4.95	.6995	.1764	.4656	-.0023	.0230	-.0261
9722	.151	1597.6	14.70	-4.96	1.0600	.2657	.4371	-.0010	.0236	-.0302
9723	.150	1587.1	17.89	-4.96	1.2578	.4754	.4060	.0154	.0273	-.0521
9724	.148	1545.7	24.93	-5.15	1.4623	.6730	.2983	.0157	.0244	-.0109
9725	.149	1551.3	29.89	-4.99	1.6693	.9321	.2116	.0105	.0216	.0343
9726	.150	1580.5	34.63	-4.92	1.6766	1.1047	.0245	.0121	.0156	.0698
9727	.150	1572.9	39.76	-5.04	1.6727	1.3109	-.1845	.0122	.0004	.0865
9728	.151	1589.3	44.45	-5.88	1.6263	1.4687	-.3057	.0112	-.0031	.0999
9729	.149	1557.4	50.26	-4.83	1.4966	1.6293	-.4636	.0080	-.0021	.0782
9730	.150	1586.9	9.72	-4.90	.7044	.1825	.4649	-.0021	.0231	-.0307

TEST	23		RUN 104							
TP	MACH	Q	ALPHA	BETA	CNF(BA)	CAF(BA)	CPH(BA)	CRM(BA)	CYM(BA)	CSF(BA)
		PA	DEG	DEG						
9721	.150	1588.4	9.90	-4.95	.7195	.0535	.4656	-.0063	.0223	-.0261
9722	.151	1597.6	14.70	-4.96	1.0927	-.0120	.4371	-.0069	.0226	-.0302
9723	.150	1587.1	17.88	-4.96	1.3445	.0193	.4060	.0052	.0309	-.0521
9724	.148	1545.7	24.93	-5.15	1.6097	-.0061	.2983	.0040	.0287	-.0109
9725	.149	1551.3	29.88	-4.99	1.9117	-.0235	.2116	-.0016	.0240	.0343
9726	.150	1580.5	34.59	-4.92	2.0073	-.0455	.0245	.0011	.0198	.0698
9727	.150	1572.9	39.76	-5.04	2.1243	-.0620	-.1845	.0092	.0081	.0865
9728	.151	1589.3	44.45	-5.88	2.1694	-.0904	-.3057	.0102	.0056	.0999
9729	.149	1557.4	50.26	-4.83	2.2096	-.1090	-.4636	.0067	.0048	.0782
9730	.150	1586.9	9.72	-4.90	.7251	.0610	.4649	-.0060	.0224	-.0307

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7 X 10 HIGH SPEED TUNNEL

TEST	23		RUN 105							
TP	MACH	J	ALPHA	BETA	CL(SA)	CD(SA)	CPM(SA)	CRM(SA)	CYM(SA)	CSF(SA)
		PA	DEG	DEG						
9731	.150	1580.9	9.94	4.77	.7227	.1874	.4942	-.0165	.0409	-.1834
9732	.150	1588.7	14.83	4.77	1.0342	.2522	.4844	-.0233	.0400	-.1849
9733	.151	1605.4	19.67	4.82	1.2229	.4604	.4252	-.0146	.0261	-.1425
9734	.152	1630.2	24.68	5.01	1.4130	.6338	.3221	-.0175	.0201	-.1300
9735	.150	1584.9	29.88	4.97	1.6320	.8985	.2150	-.0160	.0126	-.1181
9736	.150	1543.7	34.84	4.78	1.6903	1.1174	-.0039	-.0239	.0052	-.0807
9737	.150	1575.3	39.47	4.02	1.6500	1.2833	-.2180	-.0224	.0078	-.0530
9738	.150	1585.0	44.82	5.14	1.5474	1.4211	-.3893	-.0243	.0129	-.0580
9739	.151	1591.4	50.20	5.26	1.5047	1.6371	-.4588	-.0171	.0137	-.0699
9740	.151	1590.9	10.08	5.04	.7152	.1797	.4470	-.0166	.0409	-.1851

TEST	23		RUN 105							
TP	MACH	J	ALPHA	BETA	CNF(BA)	CAF(BA)	CPM(BA)	CRM(BA)	CYM(BA)	CSF(BA)
		PA	DEG	DEG						
9731	.150	1580.9	9.94	4.77	.7442	.0599	.4942	-.0233	.0375	-.1834
9732	.150	1588.7	14.83	4.77	1.0643	-.0204	.4844	-.0327	.0327	-.1849
9733	.151	1605.4	19.67	4.82	1.3065	.0220	.4252	-.0226	.0197	-.1425
9734	.152	1630.2	24.68	5.01	1.5485	-.0141	.3221	-.0243	.0110	-.1300
9735	.150	1584.9	29.88	4.97	1.8627	-.0339	.2150	-.0202	.0030	-.1181
9736	.150	1583.7	34.84	4.78	2.0257	-.0487	-.0039	-.0226	-.0094	-.0807
9737	.150	1575.3	39.47	4.02	2.0895	-.0581	-.2180	-.0223	-.0082	-.0530
9738	.150	1585.0	44.82	5.14	2.0993	-.0826	-.3893	-.0263	-.0080	-.0580
9739	.151	1591.4	50.20	5.26	2.2209	-.1081	-.4588	-.0215	-.0044	-.0699
9740	.151	1590.8	10.08	5.04	.7356	.0517	.4970	-.0235	.0374	-.1851

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TEST TP	23 MACH	Q PA	RUN 106 ALPHA DEG	BETA DEG	CL(SA)	CD(SA)	CPM(SA)	CRM(SA)	CYM(SA)	CSF(SA)
9743	.151	1598.6	.09	-.01	.0130	.0984	.2567	-.0180	.0313	-.1148
9744	.151	1595.9	10.10	.00	.9178	.1596	.2594	-.0150	.0363	-.1230
9745	.150	1570.2	15.03	-.01	1.2481	.2562	.2221	-.0159	.0370	-.1199
9746	.150	1576.9	19.88	-.00	1.3933	.4833	.1658	-.0020	.0348	-.1109
9747	.150	1578.6	24.94	.02	1.6047	.7030	.0542	-.0061	.0240	-.0680
9748	.149	1562.9	29.79	.02	1.8086	.9935	-.0642	-.0063	.0208	-.0415
9749	.152	1619.9	34.34	.01	1.8471	1.2378	-.2121	-.0016	.0173	-.0240
9750	.150	1576.8	39.63	.02	1.7924	1.4183	-.4156	.0023	.0128	-.0157
9751	.149	1546.9	44.76	-.00	1.6312	1.5172	-.5979	.0029	.0135	-.0148
9752	.149	1559.1	50.25	.08	1.5582	1.7411	-.6803	.0069	.0124	-.0162
9753	.150	1576.4	.10	-.01	.0144	.0985	.2563	-.0179	.0313	-.1128

TEST TP	23 MACH	Q PA	RUN 106 ALPHA DEG	BETA DEG	CNF(BA)	CAF(BA)	CPM(BA)	CRM(BA)	CYM(BA)	CSF(BA)
9743	.151	1598.6	.09	-.01	.0132	.0983	.2567	-.0180	.0313	-.1148
9744	.151	1595.9	10.10	.00	.9316	-.0036	.2594	-.0211	.0331	-.1230
9745	.150	1570.2	15.03	-.01	1.2719	-.0762	.2221	-.0250	.0316	-.1199
9746	.150	1576.9	19.88	-.00	1.4746	-.0192	.1658	-.0137	.0321	-.1109
9747	.150	1578.6	24.94	.02	1.7515	-.0392	.0542	-.0156	.0192	-.0680
9748	.149	1562.9	29.79	.02	2.0632	-.0365	-.0642	-.0158	.0149	-.0415
9749	.152	1619.9	34.84	.01	2.2231	-.0391	-.2121	-.0112	.0133	-.0240
9750	.150	1576.8	39.63	.02	2.2851	-.0511	-.4156	-.0064	.0113	-.0157
9751	.149	1548.9	44.76	-.00	2.2265	-.0712	-.5979	-.0075	.0116	-.0148
9752	.149	1559.1	50.25	.08	2.3350	-.0848	-.6803	-.0051	.0132	-.0162
9753	.150	1576.4	.10	-.01	.0145	.0985	.2563	-.0179	.0313	-.1128

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TEST	23		RUN	107						
TP	MACH	Q PA	ALPHA DEG	BETA DEG	CL(SA)	CD(SA)	CPM(SA)	CRM(SA)	CYM(SA)	CSF(SA)
9754	.151	1602.5	10.08	-4.95	.8940	.1578	.2530	-.0085	.0256	-.0299
9755	.150	1582.7	14.90	-5.03	1.2048	.2891	.2082	.0135	.0314	-.0461
9756	.150	1587.3	19.97	-4.95	1.4451	.5077	.1647	.0114	.0287	-.0476
9757	.149	1554.6	24.85	-5.09	1.6434	.7265	.0501	.0106	.0272	-.0149
9758	.149	1566.3	29.85	-4.76	1.8231	.9965	-.0487	.0068	.0269	.0242
9759	.151	1592.7	34.79	-4.95	1.8453	1.2306	-.2201	.0174	.0213	.0591
9760	.150	1578.6	39.51	-4.94	1.8010	1.4154	-.3615	.0234	.0094	.0588
9761	.149	1560.3	44.68	-5.07	1.7092	1.5870	-.5281	.0219	.0066	.0594
9762	.150	1571.3	50.26	-4.93	1.5788	1.7600	-.6779	.0221	.0016	.0588
9763	.150	1578.9	9.78	-4.98	.8430	.1460	.2533	-.0094	.0260	-.0405

TEST	23		RUN	107						
TP	MACH	Q PA	ALPHA DEG	BETA DEG	CNF(BA)	CAF(BA)	CPM(BA)	CRM(BA)	CYM(BA)	CSF(BA)
9754	.151	1602.5	10.08	-4.95	.9078	-.0012	.2530	-.0128	.0238	-.0299
9755	.150	1582.7	14.90	-5.03	1.2386	-.0305	.2082	.0050	.0339	-.0461
9756	.150	1587.3	19.97	-4.95	1.5316	-.0163	.1647	.0010	.0308	-.0476
9757	.149	1554.6	24.85	-5.09	1.7974	-.0295	.0501	-.0018	.0291	-.0149
9758	.149	1566.3	29.85	-4.76	2.0772	-.0434	-.0487	-.0075	.0267	.0242
9759	.151	1592.7	34.79	-4.95	2.2176	-.0421	-.2201	.0022	.0274	.0591
9760	.150	1578.6	39.51	-4.94	2.2900	-.0540	-.3615	.0121	.0221	.0588
9761	.149	1560.3	44.68	-5.07	2.3312	-.0732	-.5281	.0110	.0201	.0594
9762	.150	1571.3	50.26	-4.93	2.3627	-.0890	-.6779	.0129	.0180	.0588
9763	.150	1578.9	9.78	-4.98	.8555	.0007	.2533	-.0137	.0240	-.0405

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TEST TP	23 MACH	Q PA	RUN 108 ALPHA DEG	BETA DEG	CL(SA)	CD(SA)	CPM(SA)	CRM(SA)	CYM(SA)	CSF(SA)
9764	.150	1584.9	9.73	4.98	.8677	.1444	.2552	-.0212	.0452	-.1964
9765	.150	1584.8	14.36	5.07	1.2255	.2534	.2244	-.0297	.0445	-.1872
9766	.151	1590.7	19.62	5.12	1.3999	.4840	.1685	-.0190	.0310	-.1444
9767	.150	1577.1	24.72	4.92	1.6257	.7170	.0641	-.0199	.0269	-.1366
9768	.149	1560.9	29.57	4.76	1.8057	.9811	-.0314	-.0151	.0222	-.1391
9769	.150	1574.7	34.73	5.12	1.8462	1.2306	-.2256	-.0218	.0158	-.1106
9770	.150	1578.1	39.67	4.74	1.7900	1.4160	-.4112	-.0166	.0175	-.0936
9771	.150	1579.0	44.69	5.18	1.6635	1.5469	-.4905	-.0011	.0229	-.1298
9772	.151	1589.5	50.25	4.87	1.5834	1.7659	-.6825	-.0056	.0196	-.0871
9773	.148	1546.7	9.75	5.03	.8977	.1515	.2583	-.0220	.0458	-.2056

TEST TP	23 MACH	Q PA	RUN 108 ALPHA DEG	BETA DEG	CNF(BA)	CAF(BA)	CPM(BA)	CRM(BA)	CYM(BA)	CSF(BA)
9764	.150	1584.9	9.73	4.98	.8796	-.0051	.2552	-.0286	.0409	-.1964
9765	.150	1584.8	14.86	5.07	1.2495	-.0693	.2244	-.0402	.0354	-.1872
9766	.151	1590.7	19.62	5.12	1.4811	-.0142	.1685	-.0283	.0229	-.1444
9767	.150	1577.1	24.72	4.92	1.7765	-.0284	.0641	-.0293	.0161	-.1366
9768	.149	1560.9	29.57	4.76	2.0547	-.0376	-.0314	-.0241	.0118	-.1391
9769	.150	1574.7	34.73	5.12	2.2184	-.0403	-.2256	-.0269	.0006	-.1106
9770	.150	1578.1	39.67	4.74	2.2618	-.0526	-.4112	-.0239	.0028	-.0936
9771	.150	1579.0	44.69	5.18	2.2705	-.0703	-.4905	-.0169	.0155	-.1298
9772	.151	1589.5	50.25	4.87	2.3702	-.0883	-.6825	-.0187	.0082	-.0871
9773	.148	1546.7	9.75	5.03	.9104	-.0027	.2583	-.0294	.0415	-.2056

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TEST	23		RUN 109							
TP	MACH	Q PA	ALPHA DEG	BETA DEG	CL(SA)	CD(SA)	CPM(SA)	CRM(SA)	CYM(SA)	CSF(SA)
9796	.150	1587.2	.09	-.01	-.0025	.0647	.2720	-.0042	.0216	-.0736
9797	.150	1575.0	9.79	.01	.8479	.1253	.2676	-.0016	.0213	-.0721
9798	.150	1585.6	14.77	.02	1.2469	.2266	.2230	-.0049	.0197	-.0677
9799	.149	1555.4	19.73	.08	1.3862	.4661	.1891	.0087	.0164	-.0673
9800	.150	1580.5	24.71	.05	1.5955	.6854	.0924	.0053	.0113	-.0387
9801	.151	1612.0	29.60	.12	1.7597	.9277	-.0110	.0042	.0066	-.0229
9802	.149	1559.5	34.69	.27	1.8559	1.2125	-.2024	.0045	.0043	-.0152
9803	.148	1536.8	39.69	-.01	1.7893	1.3904	-.4366	.0013	.0008	.0126
9804	.147	1517.9	44.74	-.10	1.6864	1.5417	-.6146	.0008	-.0005	.0078
9805	.150	1579.4	50.40	.08	1.5870	1.7427	-.7287	.0046	-.0016	.0130
9806	.153	1637.3	.08	-.01	-.0008	.0848	.2693	-.0044	.0213	-.0652

TEST	23		RUN 109							
TP	MACH	Q PA	ALPHA DEG	BETA DEG	CNF(BA)	CAF(BA)	CPM(BA)	CRM(BA)	CYM(BA)	CSF(BA)
9796	.150	1587.2	.09	-.01	-.0024	.0847	.2720	-.0042	.0216	-.0736
9797	.150	1575.0	9.79	.01	.8569	-.0207	.2676	-.0052	.0207	-.0721
9798	.150	1585.6	14.77	.02	1.2654	-.0993	.2230	-.0098	.0176	-.0677
9799	.149	1555.4	19.73	.08	1.4622	-.0293	.1891	.0025	.0189	-.0673
9800	.150	1580.5	24.71	.05	1.7359	-.0445	.0924	.0001	.0125	-.0387
9801	.151	1612.0	29.60	.12	1.9883	-.0624	-.0110	.0003	.0078	-.0229
9802	.149	1559.5	34.69	.27	2.2161	-.0595	-.2024	.0012	.0061	-.0152
9803	.148	1536.8	39.69	-.01	2.2648	-.0730	-.4366	.0005	.0015	.0126
9804	.147	1517.9	44.74	-.10	2.2830	-.0920	-.6146	.0009	.0002	.0078
9805	.150	1579.4	50.40	.08	2.3544	-.1119	-.7287	.0041	.0026	.0130
9806	.153	1637.3	.08	-.01	-.0007	.0848	.2693	-.0045	.0213	-.0652

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TEST	23			RUN	110						
TP	MACH	Q	ALPHA	BETA	CL(SA)	CD(SA)	CPM(SA)	CRM(SA)	CYM(SA)	CSF(SA)	
		PA	DEG	DEG							
9807	.150	1576.4	9.96	4.98	.9030	.1385	.2536	-.0083	.0303	-.1311	
9808	.150	1587.6	14.70	5.08	1.2428	.2440	.2222	-.0223	.0271	-.1248	
9809	.151	1597.4	19.64	5.08	1.3940	.4634	.1943	-.0078	.0170	-.0967	
9810	.150	1581.3	24.91	4.00	1.6234	.7021	.0878	-.0065	.0101	-.0850	
9811	.150	1580.1	29.90	4.86	1.7984	.9611	.72	-.0066	.0048	-.1053	
9812	.151	1594.6	34.65	5.03	1.8300	1.1936	.168	-.0171	.0008	-.0784	
9813	.149	1566.4	39.48	4.89	1.8056	1.3914	-.4129	-.0174	.0052	-.0615	
9814	.151	1595.7	44.51	5.16	1.6514	1.4844	-.6240	-.0170	.0082	-.0488	
9815	.150	1578.9	49.99	4.77	1.5975	1.7297	-.7077	-.0106	.0067	-.0524	
9816	.151	1605.0	9.84	4.88	.8950	.1364	.2549	-.0074	.0306	-.1491	

TEST	23		RUN	110						
TP	MACH	Q	ALPHA	BETA	CNF(BA)	CAF(BA)	CPM(BA)	CRM(BA)	CYM(BA)	CSF(BA)
		PA	DEG	DEG						
9807	.150	1576.4	9.96	4.98	.9133	-.0198	.2536	-.0134	.0284	-.1311
9808	.150	1587.6	14.70	5.08	1.2640	-.0794	.2222	-.0284	.0205	-.1248
9809	.151	1597.4	19.64	5.08	1.4686	-.0322	.1943	-.0131	.0134	-.0967
9810	.150	1581.3	24.91	4.00	1.7681	-.0470	.0878	-.0101	.0064	-.0850
9811	.150	1580.1	29.90	4.86	2.0382	-.0634	-.0172	-.0081	.0009	-.1053
9812	.151	1594.6	34.65	5.03	2.1841	-.0585	-.2168	-.0145	-.0090	-.0784
9813	.149	1566.4	39.48	4.89	2.2783	-.0740	-.4129	-.0168	-.0070	-.0615
9814	.151	1595.7	44.51	5.16	2.2182	-.0992	-.6240	-.0179	-.0061	-.0488
9815	.150	1578.9	49.99	4.77	2.3519	-.1117	-.7077	-.0119	-.0038	-.0524
9816	.151	1605.0	9.84	4.88	.9051	-.0186	.2549	-.0126	.0288	-.1491

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TEST	23			RUN 111						
TP	MACH	Q	ALPHA	BETA	CL(SA)	CD(SA)	CPH(SA)	CRM(SA)	CYM(SA)	CSF(SA)
		PA	DEG	DEG						
9817	.151	1607.5	9.75	10.05	.8858	.1370	.2451	-.0139	.0393	-.2289
9818	.150	1583.0	14.98	9.51	1.2260	.2486	.2353	-.0328	.0289	-.1918
9819	.150	1584.0	19.91	9.86	1.4277	.4801	.2029	-.0209	.0149	-.1522
9820	.151	1598.7	24.63	9.95	1.6227	.6914	.0795	-.0231	.0105	-.1691
9821	.150	1589.0	29.65	9.84	1.7896	.9388	-.0057	-.0205	.0066	-.1730
9822	.149	1567.3	34.86	9.93	1.8737	1.2215	-.1664	-.0283	-.0010	-.1698
9823	.150	1580.9	39.59	9.82	1.7976	1.3892	-.3529	-.0346	.0063	-.1552
9824	.151	1596.5	44.67	9.91	1.7434	1.5813	-.4793	-.0282	.0139	-.1637
9825	.150	1576.4	49.72	10.07	1.6486	1.7645	-.6278	-.0289	.0144	-.1731
9826	.150	1592.9	9.86	10.01	.8740	.1283	.2467	-.0132	.0388	-.2309

TEST	23			RUN 111						
TP	MACH	Q	ALPHA	BETA	CNF(BA)	CAF(BA)	CPH(BA)	CRM(BA)	CYM(BA)	CSF(BA)
		PA	DEG	DEG						
9817	.151	1607.5	9.75	10.05	.8962	-.0150	.2451	-.0203	.0364	-.2289
9818	.150	1583.0	14.98	9.51	1.2486	-.0768	.2353	-.0391	.0194	-.1918
9819	.150	1584.0	19.91	9.86	1.5059	-.0346	.2029	-.0247	.0069	-.1522
9820	.151	1598.7	24.63	9.95	1.7632	-.0476	.0795	-.0253	-.0001	-.1691
9821	.150	1589.0	29.65	9.84	2.0197	-.0695	-.0057	-.0211	-.0044	-.1730
9822	.149	1567.3	34.86	9.93	2.2357	-.0687	-.1664	-.0227	-.0170	-.1698
9823	.150	1580.9	39.59	9.82	2.2706	-.0750	-.3529	-.0307	-.0172	-.1552
9824	.151	1596.5	44.67	9.91	2.3516	-.1011	-.4793	-.0298	-.0099	-.1637
9825	.150	1576.4	49.72	10.07	2.4120	-.1167	-.6278	-.0297	-.0127	-.1731
9826	.150	1592.9	9.86	10.01	.8831	-.0235	.2467	-.0196	.0359	-.2309

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TEST TP	23 MACH	Q PA	RUN 112 ALPHA DEG	BETA DEG	CL(SA)	CD(SA)	CPM(SA)	CRM(SA)	CYM(SA)	CSF(SA)
9827	.152	1614.4	10.70	-4.89	.9252	.1438	.2539	.0041	.0107	.0057
9828	.150	1586.4	14.78	-5.10	1.2204	.2631	.2046	.0188	.0134	-.0042
9829	.150	1577.2	19.75	-4.96	1.4094	.4742	.1959	.0214	.0144	-.0086
9830	.150	1583.6	24.92	-4.93	1.6242	.7037	.0824	.0221	.0130	.0048
9831	.150	1582.5	29.75	-4.77	1.8005	.9650	-.0053	.0172	.0125	.0430
9832	.150	1576.8	34.72	-4.94	1.8392	1.2039	-.2065	.0235	.0112	.0756
9833	.150	1576.2	39.58	-5.06	1.7910	1.3773	-.3872	.0237	-.0023	.0777
9834	.151	1594.5	44.52	-4.82	1.7436	1.5846	-.5635	.0211	-.0064	.0803
9835	.150	1586.2	49.90	-4.86	1.6111	1.7398	-.6992	.0218	-.0106	.0836
9836	.150	1575.8	9.69	-5.05	.8454	.1307	.2646	.0023	.0109	.0015

TEST TP	23 MACH	Q PA	RUN 112 ALPHA DEG	BETA DEG	CNF(BA)	CAF(BA)	CPM(BA)	CRM(BA)	CYM(BA)	CSF(BA)
9827	.152	1614.4	10.70	-4.89	.9358	-.0304	.2539	.0020	.0113	.0057
9828	.150	1586.4	14.78	-5.10	1.2472	-.0570	.2046	.0148	.0177	-.0042
9829	.150	1577.2	19.75	-4.96	1.4867	-.0299	.1959	.0153	.0208	-.0086
9830	.150	1583.6	24.92	-4.93	1.7695	-.0461	.0824	.0146	.0211	.0048
9831	.150	1582.5	29.75	-4.77	2.0421	-.0556	-.0053	.0087	.0194	.0430
9832	.150	1576.8	34.72	-4.94	2.1974	-.0579	-.2065	.0129	.0226	.0756
9833	.150	1576.2	39.58	-5.06	2.2579	-.0798	-.3872	.0197	.0133	.0777
9834	.151	1594.5	44.52	-4.82	2.3542	-.0926	-.5635	.0195	.0103	.0803
9835	.150	1586.2	49.90	-4.86	2.3686	-.1117	-.6992	.0221	.0099	.0836
9836	.150	1575.8	9.69	-5.05	.8553	-.0133	.2646	.0005	.0112	.0015

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TEST	23		RUN 113							
TP	MACH	Q PA	ALPHA DEG	BETA DEG	CL(SA)	CD(SA)	CPM(SA)	CRM(SA)	CYM(SA)	CSF(SA)
9837	.151	1595.9	9.90	-9.85	.8516	.1374	.2449	.0092	.0002	.1083
9838	.150	1581.4	14.90	-10.10	1.1930	.2661	.2131	.0322	.0089	.0826
9839	.149	1564.5	20.05	-8.97	1.4326	.4888	.1915	.0332	.0138	.0393
9840	.150	1587.5	24.80	-9.74	1.6108	.6886	.0896	.0359	.0137	.0568
9841	.150	1574.1	29.54	-10.06	1.7729	.9404	-.0095	.0373	.0150	.1021
9842	.149	1568.3	34.74	-10.09	1.8111	1.1710	-.1581	.0383	.0105	.1359
9843	.150	1575.1	39.81	-9.81	1.7920	1.3976	-.3692	.0399	-.0017	.1687
9844	.150	1576.7	45.43	-10.03	1.7108	1.5976	-.5480	.0354	-.0135	.1768
9845	.150	1574.3	49.76	-9.82	1.6201	1.7386	-.6533	.0348	-.0161	.1755
9846	.151	1612.1	9.99	-9.99	.8649	.1379	.2461	.0096	.0002	.1032

TEST	23		RUN 113							
TP	MACH	Q PA	ALPHA DEG	BETA DEG	CNF(BA)	CAF(BA)	CPM(BA)	CRM(BA)	CYM(BA)	CSF(BA)
9837	.151	1595.9	9.90	-9.85	.8625	-.0111	.2449	.0091	.0017	.1083
9838	.150	1581.4	14.90	-10.10	1.2213	-.0495	.2131	.0289	.0169	.0826
9839	.149	1564.5	20.05	-8.97	1.5133	-.0319	.1915	.0265	.0244	.0393
9840	.150	1587.5	24.80	-9.74	1.7511	-.0505	.0896	.0269	.0275	.0568
9841	.150	1574.1	29.54	-10.06	2.0061	-.0561	-.0095	.0250	.0315	.1021
9842	.149	1568.3	34.74	-10.09	2.1555	-.0697	-.1581	.0255	.0305	.1359
9843	.150	1575.1	39.81	-9.81	2.2714	-.0738	-.3692	.0318	.0243	.1687
9844	.150	1576.7	45.43	-10.03	2.3387	-.0975	-.5480	.0345	.0158	.1768
9845	.150	1574.3	49.76	-9.82	2.3739	-.1135	-.6533	.0348	.0162	.1755
9846	.151	1612.1	9.99	-9.99	.8757	-.0143	.2461	.0094	.0019	.1032

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TEST	23		RUN 114							
TP	MACH	Q PA	ALPHA DEG	BETA DEG	CL(SA)	CD(SA)	CPM(SA)	CRM(SA)	CYM(SA)	CSF(SA)
9847	.150	1583.2	9.82	-19.75	.7434	.1250	.2261	.0183	-.0194	.2951
9848	.150	1579.7	14.96	-19.83	1.1124	.2551	.2030	.0427	-.0065	.2610
9849	.150	1586.6	19.72	-19.93	1.3864	.4306	.1579	.0495	.0059	.2243
9850	.150	1581.6	24.72	-19.65	1.5459	.6320	.0918	.0466	.0175	.1876
9851	.150	1590.7	29.59	-20.04	1.6594	.8647	-.0177	.0642	.0135	.2356
9852	.151	1599.4	34.65	-19.89	1.7102	1.0808	-.0861	.0646	.0116	.2723
9853	.151	1593.2	39.58	-19.86	1.8803	1.2776	-.2183	.0671	.0043	.3082
9854	.151	1603.8	44.86	-19.57	1.6565	1.5157	-.4252	.0639	-.0160	.3433
9855	.149	1570.8	47.36	-19.72	1.6099	1.5988	-.4561	.0649	-.0204	.3424
9856	.150	1584.4	9.76	-19.69	.7349	.1162	.2251	.0177	-.0187	.2849

TEST	23		RUN 114							
TP	MACH	Q PA	ALPHA DEG	BETA DEG	CNF(BA)	CAF(BA)	CPM(BA)	CRM(BA)	CYM(BA)	CSF(BA)
9847	.150	1583.2	9.82	-19.75	.7538	-.0036	.2261	.0214	-.0160	.2951
9848	.150	1579.7	14.96	-19.83	1.1354	-.0600	.2030	.0429	.0048	.2610
9849	.150	1586.6	19.72	-19.93	1.4504	-.0677	.1579	.0446	.0223	.2243
9850	.150	1581.6	24.72	-19.65	1.6685	-.0723	.0918	.0351	.0354	.1876
9851	.150	1590.7	29.59	-20.04	1.8700	-.0676	-.0177	.0492	.0435	.2356
9852	.151	1599.4	34.65	-19.89	2.0214	-.0834	-.0861	.0465	.0463	.2723
9853	.151	1593.2	39.58	-19.86	2.1091	-.0860	-.2183	.0489	.0461	.3082
9854	.151	1603.8	44.86	-19.57	2.2433	-.0940	-.4252	.0566	.0337	.3433
9855	.149	1570.8	47.36	-19.72	2.2666	-.1014	-.4561	.0590	.0339	.3424
9856	.150	1584.4	9.76	-19.69	.7439	-.0101	.2251	.0206	-.0154	.2849

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TEST TP	23		RUN 115							
	MACH	Q PA	ALPHA DEG	BETA DEG	CL(SA)	CD(SA)	CPM(SA)	CRM(SA)	CYM(SA)	CSF(SA)
9859	.151	1602.4	.04	-.01	-.1372	.1798	.4605	-.0037	.0213	-.0592
9860	.150	1577.2	9.91	-.07	.6760	.1872	.5139	-.0021	.0206	-.0564
9861	.149	1567.0	15.00	-.06	1.0453	.2727	.5018	-.0064	.0194	-.0568
9862	.150	1584.7	20.02	-.06	1.1821	.4524	.4636	.0079	.0160	-.0543
9863	.150	1587.1	24.73	-.09	1.3886	.6431	.3625	.0046	.0097	-.0303
9864	.150	1574.6	29.77	-.03	1.5896	.8923	.2614	.0038	.0064	-.0161
9865	.150	1583.1	34.88	-.10	1.6348	1.1053	.0587	.0024	.0040	.0006
9866	.150	1588.7	39.72	-.07	1.5901	1.2599	-.1270	.0005	.0003	.0122
9867	.150	1572.7	44.71	-.05	1.4773	1.3683	-.2406	.0004	-.0005	.0039
9868	.149	1569.9	50.34	.04	1.4186	1.5555	-.3391	.0031	-.0006	.0126
9869	.150	1585.2	.02	-.01	-.1333	.1793	.4558	-.0033	.0215	-.0666

TEST TP	23		RUN 115							
	MACH	Q PA	ALPHA DEG	BETA DEG	CNF(BA)	CAF(BA)	CPM(BA)	CRM(BA)	CYM(BA)	CSF(BA)
9859	.151	1602.4	.04	-.01	-.1371	.1799	.4605	-.0037	.0213	-.0592
9860	.150	1577.2	9.91	-.07	.6981	.0681	.5139	-.0056	.0200	-.0564
9861	.149	1567.0	15.00	-.06	1.0803	-.0072	.5018	-.0112	.0171	-.0568
9862	.150	1584.7	20.02	-.06	1.2655	.0204	.4636	.0019	.0177	-.0543
9863	.150	1587.1	24.73	-.09	1.5302	.0033	.3625	.0001	.0108	-.0303
9864	.150	1574.6	29.77	-.08	1.8229	-.0147	.2614	.0001	.0074	-.0161
9865	.150	1583.1	34.88	-.10	1.9732	-.0263	.0587	-.0003	.0046	.0006
9866	.150	1588.7	39.72	-.07	2.0282	-.0471	-.1270	.0002	.0005	.0122
9867	.150	1572.7	44.71	-.05	2.0125	-.0667	-.2406	.0006	-.0001	.0039
9868	.149	1569.9	50.34	.04	2.1029	-.0994	-.3391	.0025	.0020	.0126
9869	.150	1585.2	.02	-.01	-.1332	.1793	.4558	-.0033	.0215	-.0666

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TEST TP	23 MACH	Q PA	RUN 116 ALPHA DEG	BLTA DEG	CL(SA)	CD(SA)	CPM(SA)	CRM(SA)	CYM(SA)	CSF(SA)
9870	.150	1591.0	9.82	5.17	.6790	.1892	.5085	-.0117	.0286	-.1277
9871	.151	1600.4	14.69	4.97	1.0055	.2523	.5222	-.0158	.0270	-.1175
9872	.150	1585.4	19.93	4.92	1.1996	.4663	.4837	-.0083	.0142	-.0901
9873	.149	1570.2	24.78	4.77	1.4091	.6524	.3721	-.0107	.0087	-.0859
9874	.150	1584.8	29.68	5.16	1.5919	.8885	.2861	-.0102	.0032	-.0882
9875	.150	1584.0	34.83	4.82	1.6382	1.1027	.0663	-.0166	-.0001	-.0735
9876	.150	1585.2	39.66	4.98	1.6070	1.2656	-.1077	-.0160	.0052	-.0627
9877	.150	1585.8	44.65	5.06	1.4615	1.3362	-.2599	-.0177	.0090	-.0471
9878	.149	1571.4	50.07	4.93	1.4398	1.5645	-.3255	-.0102	.0077	-.0579
9879	.148	1541.0	9.69	5.12	.6772	.1901	.5080	-.0114	.0285	-.1398

TEST TP	23 MACH	Q PA	RUN 116 ALPHA DEG	BLTA DEG	CNF(BA)	CAF(BA)	CPM(BA)	CRM(BA)	CYM(BA)	CSF(BA)
9870	.150	1591.0	9.82	5.17	.7013	.0706	.5085	-.0164	.0262	-.1277
9871	.151	1600.4	14.69	4.97	1.0366	-.0108	.5222	-.0221	.0221	-.1175
9872	.150	1585.4	19.93	4.92	1.2867	.0295	.4837	-.0126	.0105	-.0901
9873	.149	1570.2	24.78	4.77	1.5528	.0018	.3721	-.0134	.0034	-.0859
9874	.150	1584.8	29.68	5.16	1.8230	-.0162	.2961	-.0104	-.0023	-.0882
9875	.150	1584.0	34.83	4.82	1.9745	-.0303	.0663	-.0136	-.0096	-.0735
9876	.150	1585.2	39.66	4.98	2.0449	-.0513	-.1077	-.0197	-.0062	-.0627
9877	.150	1585.8	44.65	5.06	1.9787	-.0776	-.2549	-.0189	-.0061	-.0471
9878	.149	1571.4	50.07	4.93	2.1238	-.0998	-.3255	-.0124	-.0029	-.0579
9879	.148	1541.0	9.69	5.12	.6995	.0733	.5080	-.0160	.0262	-.1398

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TEST TP	23	MACH	Q PA	RUN 117 ALPHA DEG	BETA DEG	CL(SA)	CD(SA)	CPM(SA)	CRM(SA)	CYM(SA)	CSF(SA)
9880		.151	1593.6	10.02	9.77	.7088	.1998	.4928	-.0187	.0345	-.2072
9881		.151	1606.0	14.76	10.03	1.0087	.2800	.5236	-.0349	.0254	-.1851
9882		.150	1584.9	19.92	9.94	1.2049	.4614	.4935	-.0219	.0106	-.1344
9883		.151	1600.4	24.77	9.99	1.4213	.6623	.3796	-.0257	.0064	-.1425
9884		.149	1563.5	29.69	9.78	1.5818	.8873	.2987	-.0238	.0040	-.1579
9885		.149	1570.6	34.85	9.75	1.6603	1.1124	.1262	-.0274	-.0018	-.1603
9886		.150	1579.7	39.56	9.95	1.6375	1.2786	-.0374	-.0329	.0042	-.1553
9887		.150	1581.7	44.77	9.71	1.5777	1.4520	-.1511	-.0260	.0129	-.1613
9888		.150	1583.1	49.65	10.00	1.5261	1.6235	-.2748	-.0248	.0150	-.1823
9889		.149	1568.5	9.92	9.86	.7076	.2002	.4907	-.0193	.0347	-.2108

TEST TP	23	MACH	Q PA	RUN 117 ALPHA DEG	BETA DEG	CNF(BA)	CAF(BA)	CPM(BA)	CRM(BA)	CYM(BA)	CSF(BA)
9880		.151	1593.6	10.02	9.77	.7327	.0734	.4928	-.0244	.0307	-.2072
9881		.151	1606.0	14.76	10.03	1.0467	.0134	.5236	-.0402	.0157	-.1851
9882		.150	1584.9	19.92	9.94	1.2900	.0231	.4935	-.0242	.0025	-.1344
9883		.151	1600.4	24.77	9.99	1.5681	.0060	.3796	-.0261	-.0049	-.1425
9884		.149	1563.5	29.69	9.78	1.8136	-.0128	.2987	-.0227	-.0083	-.1579
9885		.149	1570.6	34.85	9.75	1.9982	-.0359	.1262	-.0215	-.0171	-.1603
9886		.150	1579.7	39.56	9.95	2.0767	-.0571	-.0374	-.0281	-.0177	-.1553
9887		.150	1581.7	44.77	9.71	2.1426	-.0805	-.1511	-.0275	-.0091	-.1613
9888		.150	1583.1	49.65	10.00	2.2253	-.1120	-.2748	-.0275	-.0092	-.1823
9889		.149	1568.5	9.92	9.86	.7315	.0753	.4907	-.0250	.0308	-.2108

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TEST TP	23 MACH	Q PA	RUN 118 ALPHA DEG	BETA DEG	CL(SA)	CD(SA)	CPM(SA)	CRM(SA)	CYM(SA)	CSF(SA)
9890	.150	1577.3	10.02	-4.87	.6702	.1860	.5057	.0057	.0112	.0241
9891	.150	1582.3	14.79	-5.09	1.0179	.2754	.4895	.0095	.0113	.0173
9892	.150	1580.6	19.88	-4.83	1.2122	.4701	.4670	.0204	.0154	-.0062
9893	.149	1571.5	24.97	-5.02	1.3997	.6443	.3707	.0216	.0151	.0087
9894	.151	1605.3	29.74	-4.80	1.6021	.8992	.2927	.0167	.0148	.0376
9895	.151	1599.5	34.54	-4.96	1.6517	1.1052	.0988	.0205	.0092	.0768
9896	.150	1578.2	39.56	-4.67	1.5991	1.2449	-.0762	.0202	-.0026	.0816
9897	.150	1583.8	44.53	-5.13	1.5562	1.4242	-.2238	.0184	-.0061	.0967
9898	.150	1575.6	50.18	-5.16	1.4671	1.5924	-.3380	.0172	-.0098	.0950
9899	.151	1607.8	9.98	-4.76	.6732	.1890	.5057	.0051	.0115	.0162

TEST TP	23 MACH	Q PA	RUN 118 ALPHA DEG	BETA DEG	CNF(BA)	CAF(BA)	CPM(BA)	CRM(BA)	CYM(BA)	CSF(BA)
9890	.150	1577.3	10.02	-4.87	.6927	.0686	.5057	.0036	.0120	.0241
9891	.150	1582.3	14.79	-5.09	1.0544	.0064	.4895	.0063	.0133	.0173
9892	.150	1580.6	19.88	-4.83	1.2999	.0299	.4670	.0139	.0214	-.0062
9893	.149	1571.5	24.97	-5.02	1.5409	.0039	.3707	.0134	.0227	.0087
9894	.151	1605.3	29.74	-4.60	1.8371	-.0138	.2927	.0071	.0211	.0376
9895	.151	1599.5	34.54	-4.96	1.9872	-.0296	.0988	.0116	.0192	.0768
9896	.150	1578.2	39.56	-4.87	2.0257	-.0588	-.0762	.0172	.0108	.0816
9897	.150	1583.8	44.53	-5.13	2.1081	-.0759	-.2238	.0174	.0085	.0967
9898	.150	1575.6	50.18	-5.16	2.1625	-.1070	-.3380	.0185	.0069	.0950
9899	.151	1607.8	9.98	-4.76	.6958	.0695	.5057	.0031	.0122	.0162

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7 X 10 HIGH SPEED TUNNEL

TEST TP	23 MACH	Q PA	RUN 119 ALPHA DEG	BETA DEG	CL(SA)	CD(SA)	CPM(SA)	CRM(SA)	CYM(SA)	CSF(SA)
9900	.150	1592.3	10.01	-9.99	.6628	.1864	.4693	.0121	.0018	.1064
9901	.150	1581.7	15.07	-9.90	.9927	.3012	.4782	.0296	.0116	.0735
9902	.151	1593.9	19.95	-9.74	1.2145	.4624	.4580	.0315	.0177	.0483
9903	.151	1596.5	24.82	-9.90	1.4176	.6564	.3737	.0350	.0175	.0585
9904	.150	1591.6	29.73	-9.67	1.5714	.8626	.2924	.0349	.0173	.0930
9905	.150	1587.1	34.71	-9.87	1.6141	1.0800	.1020	.0346	.0117	.1471
9906	.150	1592.8	39.53	-10.03	1.6378	1.2762	-.0802	.0363	-.0007	.1738
9907	.150	1578.4	44.75	-9.93	1.5684	1.4243	-.2077	.0298	-.0102	.1814
9908	.150	1589.7	49.65	-9.95	1.4419	1.5811	-.3295	.0285	-.0155	.1903
9909	.150	1592.0	9.94	-9.74	.6763	.1932	.4765	.0117	.0015	.1291

TEST TP	23 MACH	Q PA	RUN 119 ALPHA DEG	BETA DEG	CNF(BA)	CAF(BA)	CPM(BA)	CRM(BA)	CYM(BA)	CSF(BA)
9900	.150	1592.3	10.01	-9.99	.6851	.0683	.4693	.0116	.0039	.1064
9901	.150	1581.7	15.07	-9.90	1.0369	.0328	.4782	.0255	.0190	.0735
9902	.151	1593.9	19.95	-9.74	1.2994	.0203	.4580	.0235	.0273	.0483
9903	.151	1596.5	24.82	-9.90	1.5622	.0006	.3737	.0244	.0306	.0585
9904	.150	1591.6	29.73	-9.67	1.8022	-.0130	.2924	.0217	.0324	.0930
9905	.150	1587.1	34.71	-9.87	1.9419	-.0314	.1020	.0217	.0293	.1471
9906	.150	1592.8	39.53	-10.03	2.0755	-.0582	-.0302	.0285	.0226	.1738
9907	.150	1578.4	44.75	-9.93	2.1166	-.0924	-.2077	.0284	.0137	.1814
9908	.150	1589.7	49.65	-9.95	2.1709	-.1132	-.3295	.0302	.0117	.1903
9909	.150	1592.0	9.94	-9.74	.6995	.0736	.4765	.0112	.0035	.1291

NASA LANGLEY

7 X 10 HIGH SPEED TUNNEL

TEST	23		RUN 120							
TP	MACH	Q PA	ALPHA DEG	BETA DEG	CL(SA)	CD(SA)	CPM(SA)	CRM(SA)	CYM(SA)	CSF(SA)
9910	.150	1574.9	9.67	-19.72	.5737	.1715	.4249	.0219	-.0147	.2852
9911	.150	1584.1	14.82	-19.52	.9183	.2552	.4438	.0391	-.0038	.2541
9912	.150	1587.3	17.68	-19.85	1.1922	.4295	.4244	.0438	.0086	.2211
9913	.149	1588.9	24.94	-19.70	1.3817	.6318	.3574	.0421	.0223	.1956
9914	.150	1580.6	27.90	-19.73	1.4733	.8130	.2706	.0560	.0183	.2318
9915	.151	1603.2	34.76	-19.77	1.5457	1.0249	.1911	.0624	.0141	.2841
9916	.150	1577.6	37.57	-19.53	1.5483	1.1904	.0274	.0610	.0067	.3159
9917	.150	1578.3	44.53	-19.75	1.5364	1.3756	-.1606	.0579	-.0111	.3625
9918	.149	1571.9	47.27	-19.71	1.5050	1.4641	-.2330	.0539	-.0188	.3557
9919	.150	1586.4	9.79	-19.73	.5886	.1743	.4258	.0225	-.0147	.2882

TEST	23		RUN 120							
TP	MACH	Q PA	ALPHA DEG	BETA DEG	CNF(BA)	CAF(BA)	CPM(BA)	CRM(BA)	CYM(BA)	CSF(BA)
9910	.150	1574.9	9.67	-19.72	.5944	.0727	.4249	.0241	-.0108	.2852
9911	.150	1584.1	14.82	-19.52	.9530	.0118	.4438	.0388	.0063	.2541
9912	.150	1587.3	17.68	-19.85	1.2672	.0029	.4244	.0384	.0229	.2211
9913	.149	1588.9	24.94	-19.70	1.5193	-.0098	.3574	.0288	.0360	.1956
9914	.150	1580.6	27.90	-19.73	1.6624	-.0295	.2706	.0394	.0438	.2318
9915	.151	1603.2	34.76	-19.79	1.8542	-.0391	.1911	.0432	.0471	.2641
9916	.150	1577.6	37.57	-19.53	1.9518	-.0687	.0274	.0428	.0440	.3159
9917	.150	1578.3	44.53	-19.95	2.0600	-.0966	-.1606	.0491	.0326	.3625
9918	.149	1571.9	47.27	-19.71	2.0967	-.1121	-.2330	.0504	.0269	.3557
9919	.150	1586.4	9.79	-19.73	.6096	.0717	.4258	.0247	-.0106	.2882

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7 X 10 HIGH SPEED TUNNEL

TEST	23		RJN 121							
TP	MACH	Q	ALPHA	BETA	CL(SA)	CD(SA)	CPM(SA)	CRM(SA)	CYM(SA)	CSF(SA)
		PA	DEG	DEG						
9933	.151	1597.5	.08	.03	.0136	.1137	.2543	-.0106	-.0538	.1530
9934	.151	1599.6	9.97	.05	.9031	.1642	.2576	-.0254	-.0490	.1533
9935	.150	1580.4	14.96	.03	1.4122	.5067	.1713	-.0241	-.0292	.1110
9936	.150	1577.1	14.95	.05	1.2497	.2855	.1994	-.0331	-.0433	.1457
9937	.144	1570.2	24.91	.02	1.6013	.7096	.0894	-.0229	-.0121	.0761
9938	.149	1564.4	24.84	.03	1.7857	.9863	-.0285	-.0183	-.0022	.0516
9939	.151	1543.2	34.62	-.00	1.6196	1.1977	-.1482	-.0082	.0069	.0249
9940	.149	1567.5	34.80	.01	1.7453	1.3878	-.3628	.0007	.0141	-.0094
9941	.151	1542.4	44.69	.02	1.6122	1.5068	-.5294	.0000	.0138	-.0054
9942	.150	1583.8	50.48	.09	1.5742	1.7741	-.5476	.0203	.0202	-.0616
9943	.150	1589.1	.08	.03	.0157	.1139	.2529	-.0101	-.0540	.1661

TEST	23		RJN 121							
TP	MACH	Q	ALPHA	BETA	CNF(BA)	CAF(BA)	CPM(BA)	CRM(BA)	CYM(BA)	CSF(BA)
		PA	DEG	DEG						
9933	.151	1597.5	.08	.03	.0138	.1137	.2543	-.0105	-.0538	.1530
9934	.151	1599.6	9.97	.05	.9188	.0103	.2576	-.0166	-.0526	.1533
9935	.150	1580.4	14.96	.03	1.5004	-.0058	.1713	-.0126	-.0357	.1110
9936	.150	1577.1	14.93	.05	1.2810	-.0473	.1994	-.0208	-.0504	.1457
9937	.149	1570.2	24.91	.02	1.7512	-.0309	.0894	-.0157	-.0206	.0761
9938	.149	1564.4	24.84	.03	2.0397	-.0350	-.0285	-.0147	-.0110	.0516
9939	.151	1543.2	34.62	-.00	2.1779	-.0482	-.1482	-.0107	.0010	.0249
9940	.149	1567.5	34.80	.01	2.2292	-.0511	-.3628	-.0085	.0113	-.0094
9941	.151	1542.4	44.69	.02	2.2058	-.0625	-.5294	-.0096	.0098	-.0054
9942	.150	1583.8	50.48	.09	2.3703	-.0854	-.5476	-.0027	.0285	-.0616
9943	.150	1589.1	.08	.03	.0159	.1139	.2529	-.0100	-.0540	.1661

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7 X 10 HIGH SPEED TUNNEL

TEST	23		RUN 122							
TP	MACH	Q	ALPHA	BETA	CI(SA)	CD(SA)	CPM(SA)	CRM(SA)	CYM(SA)	CSF(SA)
		PA	DEG	DEG						
9944	.151	1595.8	9.97	4.93	.8952	.1658	.2647	-.0321	-.0383	.0786
9945	.151	1593.9	14.75	5.07	1.2125	.2575	.2390	-.0487	-.0357	.0849
9946	.150	1581.3	19.72	4.96	1.3920	.4950	.1892	-.0385	-.0267	.0657
9947	.150	1579.4	24.73	4.88	1.5931	.7134	.0932	-.0370	-.0131	.0114
9948	.150	1589.8	29.96	5.21	1.7735	.9784	.0163	-.0316	-.0078	-.0190
9949	.150	1575.9	34.60	4.90	1.8053	1.2033	-.1810	-.0264	.0063	-.0659
9950	.149	1566.9	39.61	4.81	1.7584	1.3772	-.3453	-.0190	.0183	-.0796
9951	.150	1579.9	44.91	4.84	1.6324	1.5351	-.5429	-.0151	.0221	-.0715
9952	.149	1552.6	50.24	5.05	1.5718	1.7592	-.5198	.0044	.0290	-.1263
9953	.151	1592.2	9.84	4.92	.8654	.1559	.2663	-.0314	-.0391	.0838

TEST	23		RUN 122							
TP	MACH	Q	ALPHA	BETA	CNF(BA)	CAF(BA)	CPM(BA)	CRM(BA)	CYM(BA)	CSF(BA)
		PA	DEG	DEG						
9944	.151	1595.8	9.97	4.93	.9104	.0082	.2647	-.0249	-.0432	.0786
9945	.151	1593.9	14.75	5.07	1.2381	-.0597	.2390	-.0380	-.0469	.0849
9946	.150	1581.3	19.72	4.96	1.4774	-.0038	.1892	-.0272	-.0361	.0657
9947	.150	1579.4	24.73	4.89	1.7454	-.0185	.0932	-.0281	-.0274	.0114
9948	.150	1589.8	29.96	5.21	2.0251	-.0361	.0163	-.0234	-.0225	-.0190
9949	.150	1575.9	34.60	4.90	2.1693	-.0348	-.1810	-.0253	-.0099	-.0659
9950	.149	1566.9	39.61	4.81	2.2327	-.0602	-.3453	-.0263	.0020	-.0796
9951	.150	1579.9	44.91	4.84	2.2399	-.0654	-.5429	-.0263	.0050	-.0715
9952	.149	1552.6	50.24	5.05	2.3577	-.0831	-.5198	-.0195	.0219	-.1263
9953	.151	1592.2	9.84	4.92	.8793	.0058	.2663	-.0243	-.0439	.0838

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7 X 10 HIGH SPEED TUNNEL

TEST	23		RUN 123							
TP	MACH	Q PA	ALPHA DEG	BETA DEG	CL(SA)	CD(SA)	CPM(SA)	CRM(SA)	CYM(SA)	CSF(SA)
9954	.150	1584.0	10.06	9.98	.8979	.1635	.2548	-.0379	-.0276	-.0055
9955	.151	1592.2	14.95	9.87	1.2252	.2997	.2220	-.0609	-.0298	.0039
9956	.150	1577.5	20.02	10.13	1.4240	.5091	.1947	-.0510	-.0228	-.0092
9957	.150	1590.4	24.66	9.92	1.6055	.7182	.0960	-.0544	-.0172	-.0259
9958	.150	1583.0	29.63	9.75	1.7667	.9758	.0158	-.0476	-.0105	-.0750
9959	.150	1580.4	34.51	10.45	1.8153	1.2037	-.1361	-.0458	.0025	-.1273
9960	.150	1578.6	39.64	9.96	1.7711	1.3965	-.3073	-.0387	.0181	-.1652
9961	.150	1577.5	44.72	9.99	1.7130	1.5781	-.4104	-.0272	.0285	-.1888
9962	.150	1580.3	49.69	10.14	1.6219	1.7730	-.4458	-.0142	.0283	-.2211
9963	.150	1573.8	9.91	9.86	.8748	.1554	.2579	-.0375	-.0282	.0008

TEST	23		RUN 123							
TP	MACH	Q PA	ALPHA DEG	BETA DEG	CNF(BA)	CAF(BA)	CPM(BA)	CRM(BA)	CYM(BA)	CSF(BA)
9954	.150	1584.0	10.06	9.98	.9126	.0041	.2548	-.0325	-.0338	-.0055
9955	.151	1592.2	14.95	9.87	1.2611	-.0266	.2220	-.0512	-.0445	.0039
9956	.150	1577.5	20.02	10.13	1.5122	-.0093	.1947	-.0401	-.0389	-.0092
9957	.150	1590.4	24.66	9.92	1.7587	-.0172	.0960	-.0423	-.0383	-.0259
9958	.150	1583.0	29.63	9.75	2.0181	-.0269	.0158	-.0362	-.0327	-.0750
9959	.150	1580.4	34.51	10.45	2.1778	-.0366	-.1381	-.0392	-.0238	-.1273
9960	.150	1578.6	39.64	9.96	2.2548	-.0546	-.3073	-.0413	-.0107	-.1652
9961	.150	1577.5	44.72	9.99	2.3276	-.0840	-.4104	-.0393	.0011	-.1888
9962	.150	1580.3	49.69	10.14	2.4013	-.0896	-.4458	-.0308	.0074	-.2211
9963	.150	1573.8	9.91	9.86	.8885	.0025	.2579	-.0321	-.0342	.0008

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7 X 10 HIGH SPEED TUNNEL

TEST	23		RUN 124							
TP	MACH	J	ALPHA	BETA	CL(SA)	CD(SA)	CPM(SA)	CRM(SA)	CYM(SA)	CSF(SA)
		PA	DEG	DEG						
9964	.150	1580.0	10.15	-5.06	.8756	.1633	.2378	-.0195	-.0580	.2437
9965	.150	1582.4	14.76	-4.80	1.1906	.2844	.1905	-.0086	-.0415	.2004
9966	.151	1594.4	19.61	-5.04	1.4170	.4907	.1702	-.0097	-.0265	.1613
9967	.151	1592.2	24.74	-4.77	1.5475	.6930	.0803	-.0114	-.0154	.1479
9968	.151	1592.9	29.85	-5.05	1.7967	.9756	-.0092	-.0111	-.0032	.1564
9969	.150	1572.5	34.64	-4.87	1.8152	1.1993	-.1812	.0087	.0126	.1132
9970	.151	1593.6	39.94	-5.07	1.7660	1.4063	-.3366	.0215	.0093	.0678
9971	.151	1600.4	44.83	-4.95	1.7096	1.6030	-.3742	.0315	.0104	.0318
9972	.151	1591.4	49.90	-5.01	1.5833	1.7454	-.5474	.0313	.0105	.0385
9973	.150	1578.3	9.87	-5.21	.8513	.1592	.2379	-.0197	-.0586	.2490

TEST	23		RUN 124							
TP	MACH	J	ALPHA	BETA	CNF(BA)	CAF(BA)	CPM(BA)	CRM(BA)	CYM(BA)	CSF(BA)
		PA	DEG	DEG						
9964	.150	1580.0	10.18	-5.06	.8907	.0059	.2376	-.0090	-.0606	.2437
9965	.150	1582.4	14.76	-4.80	1.2238	-.0284	.1905	.0022	-.0423	.2004
9966	.151	1594.4	19.61	-5.04	1.4995	-.0134	.1702	-.0002	-.0262	.1613
9967	.151	1592.2	24.74	-4.77	1.7409	-.0392	.0803	-.0037	-.0192	.1479
9968	.151	1592.9	29.85	-5.05	2.0439	-.0494	-.0092	-.0080	-.0083	.1564
9969	.150	1572.5	34.64	-4.87	2.1751	-.0452	-.1812	-.0000	.0153	.1132
9970	.151	1593.6	39.94	-5.07	2.2568	-.0554	-.3366	.0106	.0209	.0678
9971	.151	1600.4	44.83	-4.95	2.3426	-.0684	-.3742	.0150	.0296	.0318
9972	.151	1591.4	49.90	-5.01	2.3550	-.0868	-.5474	.0121	.0307	.0385
9973	.150	1578.3	9.37	-5.21	.8661	.0111	.2379	-.0093	-.0611	.2490

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7 X 10 HIGH SPEED TUNNEL

TEST	23		RUN 125							
TP	MACH	Q PA	ALPHA DEG	BETA DEG	CL(SA)	CD(SA)	CPM(SA)	CRM(SA)	CYM(SA)	CSF(SA)
9974	.150	1580.2	10.17	-9.79	.8682	.1712	.2151	-.0130	-.0640	.3255
9975	.151	1601.4	14.66	-9.97	1.1543	.2570	.2157	-.0018	-.0497	.2817
9976	.151	1602.3	19.98	-9.80	1.4147	.4834	.1709	.0020	-.0245	.2070
9977	.150	1579.5	24.69	-9.74	1.6004	.6677	.0859	.0009	-.0154	.2074
9978	.150	1584.7	29.76	-9.44	1.7665	.9478	-.0065	.0042	-.0041	.2211
9979	.149	1565.8	34.69	-10.00	1.8474	1.1979	-.1400	.0146	.0077	.2137
9980	.150	1590.9	39.88	-9.77	1.7488	1.3839	-.3182	.0380	.0087	.1472
9981	.151	1592.3	44.50	-9.77	1.7064	1.5673	-.3623	.0450	.0047	.1232
9982	.150	1587.8	49.48	-10.04	1.6147	1.7450	-.5197	.0531	.0087	.1288
9983	.150	1581.2	9.86	-9.69	.8474	.1690	.2175	-.0134	-.0644	.3206

TEST	23		RUN 125							
TP	MACH	Q PA	ALPHA DEG	BETA DEG	CNF(BA)	CAF(BA)	CPM(BA)	CRM(BA)	CYM(BA)	CSF(BA)
9974	.150	1580.2	10.17	-9.79	.8848	.0151	.2151	-.0014	-.0653	.3255
9975	.151	1601.4	14.66	-9.97	1.1617	-.0435	.2157	.0109	-.0406	.2817
9976	.151	1602.3	19.98	-9.80	1.4948	-.0290	.1709	.0103	-.0224	.2070
9977	.150	1579.5	24.69	-9.74	1.7413	-.0435	.0859	.0073	-.0136	.2074
9978	.150	1584.7	29.76	-9.94	2.0040	-.0541	-.0065	.0056	-.0015	.2211
9979	.149	1565.8	34.69	-10.00	2.2008	-.0663	-.1400	.0076	.0146	.2137
9980	.150	1590.9	39.88	-9.77	2.2293	-.0593	-.3182	.0236	.0310	.1472
9981	.151	1592.3	44.50	-9.77	2.3156	-.0782	-.3623	.0288	.0349	.1232
9982	.150	1587.8	49.48	-10.04	2.3756	-.0948	-.5197	.0279	.0461	.1288
9983	.150	1581.2	9.86	-9.69	.8638	.0214	.2175	-.0022	-.0657	.3206

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TEST	23		RUN 126							
TP	MACH	Q	ALPHA	BETA	CL(SA)	CD(SA)	CPM(SA)	CRM(SA)	CYM(SA)	CSF(SA)
		PA	DEG	DEG						
9986	.150	1579.9	.04	.02	-.1141	.1587	.4246	.0031	-.0464	.1410
9987	.151	1593.4	9.88	-.29	.7044	.1748	.4627	-.0110	-.0471	.1448
9988	.150	1587.7	19.82	-.63	1.2456	.4701	.3908	-.0109	-.0320	.1050
9989	.150	1589.4	14.99	-.47	1.1058	.2794	.4121	-.0208	-.0437	.1395
9990	.149	1567.6	24.66	-.84	1.4329	.6346	.3035	-.0101	-.0182	.0791
9991	.150	1586.5	29.81	-1.01	1.6415	.9078	.1886	-.0094	-.0111	.0692
9992	.151	1594.1	34.63	-1.18	1.6897	1.1067	.0195	-.0037	-.0001	.0472
9993	.150	1579.0	39.82	-1.33	1.6413	1.2810	-.2185	-.0019	.0024	.0262
9994	.150	1584.4	44.82	-1.45	1.5408	1.4231	-.3687	-.0050	.0002	.0329
9995	.150	1574.5	50.39	-.47	1.4707	1.6106	-.4661	-.0052	.0026	.0228
9996	.151	1592.1	.05	.03	-.1134	.1595	.4262	.0022	-.0464	.1364

TEST	23		RUN 126							
TP	MACH	Q	ALPHA	BETA	CNF(BA)	CAF(BA)	CPM(BA)	CRM(BA)	CYM(BA)	CSF(BA)
		PA	DEG	DEG						
9986	.150	1579.9	.04	.02	-.1140	.1587	.4246	.0031	-.0464	.1410
9987	.151	1593.4	9.88	-.29	.7239	.0513	.4627	-.0028	-.0483	.1448
9988	.150	1587.7	19.82	-.63	1.3312	.0198	.3908	.0006	-.0338	.1050
9989	.150	1589.4	14.99	-.47	1.1404	-.0161	.4121	-.0067	-.0476	.1395
9990	.149	1567.6	24.66	-.84	1.5670	-.0211	.3035	-.0016	-.0208	.0791
9991	.150	1586.5	29.81	-1.01	1.6756	-.0285	.1886	-.0020	-.0143	.0692
9992	.151	1594.1	34.63	-1.18	2.0192	-.0495	.0195	-.0030	-.0022	.0472
9993	.150	1579.0	39.82	-1.33	2.0809	-.0672	-.2185	-.0030	.0006	.0262
9994	.150	1584.4	44.82	-1.45	2.0961	-.0766	-.3687	-.0037	-.0034	.0329
9995	.150	1574.5	50.39	-.47	2.1785	-.1062	-.4661	-.0054	-.0024	.0228
9996	.151	1592.1	.05	.03	-.1133	.1596	.4262	.0023	-.0464	.1364

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TEST TP	23 MACH	Q PA	RUN 127 ALPHA DEG	BETA DFG	CL(SA)	CD(SA)	CPM(SA)	CRM(SA)	CYM(SA)	CSF(SA)
9997	.150	1580.1	9.90	5.07	.7259	.1814	.4705	-.0185	-.0362	.0526
9998	.150	1582.9	15.00	4.97	1.0729	.2633	.4495	-.0372	-.0355	.0699
9999	.151	1600.6	19.93	5.07	1.2552	.4740	.3943	-.0283	-.0298	.0544
10000	.150	1579.1	24.76	4.91	1.4435	.6476	.3032	-.0291	-.0209	.0158
10001	.151	1593.4	29.59	5.15	1.6459	.9071	.2047	-.0258	-.0177	-.0178
10002	.150	1570.8	34.74	5.18	1.6933	1.1260	-.0182	-.0282	-.0047	-.0561
10003	.149	1561.5	39.66	4.81	1.6707	1.3033	-.2132	-.0238	.0082	-.0672
10004	.150	1583.4	44.69	4.93	1.5367	1.3972	-.3764	-.0259	.0105	-.0459
10005	.149	1563.3	50.11	4.80	1.4942	1.6205	-.4547	-.0181	.0103	-.0527
10006	.149	1564.5	10.03	5.05	.7529	.1878	.4716	-.0193	-.0361	.0608
TEST TP	23 MACH	Q PA	RUN 127 ALPHA DEG	BETA DFG	CNF(BA)	CAF(BA)	CPM(BA)	CRM(BA)	CYM(BA)	CSF(BA)
9997	.150	1580.1	9.90	5.07	.7463	.0538	.4705	-.0120	-.0388	.0526
9998	.150	1582.9	15.00	4.97	1.1045	-.0234	.4495	-.0268	-.0439	.0699
9999	.151	1600.6	19.98	5.07	1.3416	.0166	.3943	-.0164	-.0376	.0544
10000	.150	1579.1	24.76	4.91	1.5821	-.0165	.3032	-.0177	-.0312	.0158
10001	.151	1593.4	29.59	5.15	1.8792	-.0239	.2047	-.0137	-.0281	-.0178
10002	.150	1570.8	34.74	5.18	2.0331	-.0395	-.0182	-.0205	-.0199	-.0561
10003	.149	1561.5	39.66	4.81	2.1180	-.0631	-.2132	-.0236	-.0089	-.0672
10004	.150	1583.4	44.69	4.93	2.0751	-.0874	-.3764	-.0258	-.0108	-.0459
10005	.149	1563.3	50.11	4.80	2.2016	-.1072	-.4547	-.0195	-.0072	-.0527
10006	.149	1564.5	10.03	5.05	.7741	.0537	.4716	-.0127	-.0389	.0608

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TEST TP	23 MACH	Q PA	RUN 128 ALPHA DEG	BETA DEG	CL(SA)	CD(SA)	CPM(SA)	CRM(SA)	CYM(SA)	CSF(SA)
10007	.150	1586.4	9.96	-4.95	.7041	.1751	.4412	-.0057	-.0546	.2179
10008	.150	1574.3	14.74	-4.99	1.0587	.2459	.4122	-.0120	-.0489	.2057
10009	.150	1573.3	19.84	-4.86	1.2578	.4639	.3935	.0003	-.0260	.1343
10010	.150	1585.0	24.80	-4.94	1.4507	.6493	.2968	.0016	-.0196	.1255
10011	.150	1579.0	29.53	-4.95	1.6337	.8808	.2227	-.0023	-.0114	.1394
10012	.149	1557.1	34.69	-5.05	1.6916	1.1170	.0011	.0097	.0047	.1173
10013	.149	1569.4	39.67	-5.00	1.6721	1.3045	-.1907	.0131	-.0008	.0848
10014	.149	1565.8	44.55	-4.85	1.6115	1.4569	-.3208	.0081	-.0012	.0869
10015	.150	1575.8	49.96	-5.11	1.5101	1.6257	-.4674	.0053	-.0045	.0995
10016	.150	1587.7	9.86	-4.91	.7244	.1854	.4441	-.0061	-.0548	.2218

TEST TP	23 MACH	Q PA	RUN 128 ALPHA DEG	BETA DEG	CNF(BA)	CAF(BA)	CPM(BA)	CRM(BA)	CYM(BA)	CSF(BA)
10007	.150	1586.4	9.96	-4.95	.7238	.0506	.4412	.0039	-.0548	.2179
10008	.150	1574.3	14.74	-4.99	1.0864	-.0316	.4122	.0008	-.0503	.2057
10009	.150	1573.3	19.84	-4.86	1.3406	.0096	.3935	.0092	-.0244	.1343
10010	.150	1585.0	24.80	-4.94	1.5893	-.0190	.2968	.0097	-.0171	.1255
10011	.150	1579.0	29.58	-4.95	1.8556	-.0406	.2227	.0036	-.0111	.1394
10012	.149	1557.1	34.69	-5.05	2.0266	-.0445	.0011	.0053	.0094	.1173
10013	.149	1569.4	39.67	-5.00	2.1198	-.0633	-.1907	.0106	.0077	.0848
10014	.149	1565.8	44.55	-4.85	2.1705	-.0922	-.3208	.0066	.0048	.0869
10015	.150	1575.8	49.96	-5.11	2.2161	-.1101	-.4674	.0068	.0011	.0995
10016	.150	1587.7	9.86	-4.91	.7455	.0586	.4441	.0034	-.0550	.2218

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TEST TP	23 MACH	Q PA	RUN 129 ALPHA DEG	BETA DEG	CL(SA)	CD(SA)	CPM(SA)	CRM(SA)	CYM(SA)	CSF(SA)
10031	.150	1572.5	.10	.03	.0164	.1024	.2768	-.0040	-.0465	.1352
10032	.150	1571.5	5.05	-.15	.4976	.1202	.2699	-.0111	-.0463	.1369
10033	.150	1585.9	9.97	-.08	.9231	.1623	.2650	-.0168	-.0446	.1449
10034	.150	1588.8	14.89	-.16	1.2663	.2564	.2133	-.0242	-.0415	.1417
10035	.150	1580.5	19.82	-.20	1.4201	.4967	.1848	-.0141	-.0304	.1080
10036	.150	1582.2	24.80	-.27	1.6215	.7093	.0927	-.0135	-.0142	.0741
10037	.149	1549.2	29.43	-.36	1.7830	.9447	-.0090	-.0118	-.0086	.0597
10038	.151	1590.0	34.65	-.43	1.8746	1.2333	-.1807	-.0034	.0024	.0327
10039	.148	1534.9	39.60	-.61	1.8172	1.4215	-.4257	.0027	.0085	.0070
10040	.151	1609.1	44.51	-.54	1.6641	1.5185	-.5838	-.0006	.0061	.0004
10041	.150	1571.5	50.48	-.57	1.5724	1.7558	-.6836	.0081	.0068	.0007
10042	.150	1584.5	.11	.02	.0344	.1023	.2745	-.0033	-.0465	.1461

TEST TP	23 MACH	Q PA	RUN 129 ALPHA DEG	BETA DEG	CNF(BA)	CAF(BA)	CPM(BA)	CRM(BA)	CYM(BA)	CSF(BA)
10031	.150	1572.5	.10	.03	.0165	.1024	.2788	-.0039	-.0465	.1352
10032	.150	1571.5	5.05	-.15	.5063	.0759	.2699	-.0070	-.0471	.1369
10033	.150	1585.9	9.97	-.08	.9372	.0001	.2650	-.0088	-.0469	.1449
10034	.150	1588.8	14.89	-.16	1.2897	-.0777	.2133	-.0127	-.0463	.1417
10035	.150	1580.5	19.82	-.20	1.5044	-.0141	.1848	-.0030	-.0334	.1080
10036	.150	1582.2	24.80	-.27	1.7695	-.0362	.0927	-.0063	-.0186	.0741
10037	.149	1549.2	29.43	-.36	2.0171	-.0532	-.0090	-.0060	-.0133	.0597
10038	.151	1590.0	34.65	-.43	2.2433	-.0515	-.1807	-.0042	.0001	.0327
10039	.148	1534.9	39.60	-.61	2.3063	-.0629	-.4257	-.0034	.0083	.0070
10040	.151	1609.1	44.51	-.54	2.2512	-.0837	-.5838	-.0047	.0040	.0004
10041	.150	1571.5	50.48	-.57	2.3150	-.0958	-.6836	-.0001	.0106	.0007
10042	.150	1584.5	.11	.02	.0345	.1022	.2745	-.0032	-.0465	.1461

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TEST TP	23 MACH	U PA	RUN 130 ALPHA DEG	BETA DEG	CL(SA)	CD(SA)	CPM(SA)	CRM(SA)	CYM(SA)	CSF(SA)
10043	.151	1599.7	9.87	-4.98	.8752	.1519	.2468	-.0112	-.0530	.2200
10044	.151	1596.7	14.85	-4.92	1.2272	.2868	.1963	.0016	-.0387	.1778
10045	.150	1584.1	17.80	-5.02	1.4465	.4483	.1789	-.0005	-.0256	.1381
10046	.151	1594.9	24.80	-5.02	1.6553	.7232	.0687	-.0011	-.0167	.1269
10047	.150	1569.7	29.75	-4.88	1.8368	.9918	-.0260	-.0025	-.0064	.1376
10048	.150	1575.8	34.72	-5.09	1.8679	1.2148	-.1913	.0110	.0064	.1138
10049	.149	1563.7	39.76	-5.00	1.8270	1.4321	-.3822	.0224	.0031	.0696
10050	.150	1571.1	44.77	-4.86	1.7403	1.6089	-.5414	.0217	.0029	.0588
10051	.149	1562.3	50.31	-4.95	1.6094	1.7826	-.6811	.0210	-.0028	.0694
10052	.150	1569.3	9.89	-5.05	.9123	.1637	.2416	-.0109	-.0530	.2218

TEST TP	23 MACH	U PA	RUN 130 ALPHA DEG	BETA DEG	CNF(BA)	CAF(BA)	CPM(BA)	CRM(BA)	CYM(BA)	CSF(BA)
10043	.151	1599.7	9.87	-4.98	.8843	-.0004	.2468	-.0019	-.0541	.2200
10044	.151	1596.7	14.89	-4.92	1.2597	-.0379	.1963	.0114	-.0370	.1778
10045	.150	1584.1	19.80	-5.02	1.5298	-.0212	.1789	.0082	-.0242	.1381
10046	.151	1594.9	24.80	-5.02	1.8060	-.0378	.0687	.0060	-.0156	.1269
10047	.150	1569.7	29.75	-4.88	2.0868	-.0505	-.0260	.0010	-.0068	.1376
10048	.150	1575.8	34.72	-5.09	2.2272	-.0653	-.1913	.0054	.0115	.1138
10049	.149	1563.7	39.76	-5.00	2.3204	-.0684	-.3822	.0182	.0167	.0696
10050	.150	1571.1	44.77	-4.86	2.3686	-.0832	-.5414	.0134	.0173	.0588
10051	.149	1562.3	50.31	-4.95	2.3995	-.1000	-.6811	.0156	.0144	.0694
10052	.150	1569.3	9.89	-5.05	.9268	.0046	.2416	-.0016	-.0541	.2218

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TEST	23		RUN	131							
TP	MACH	Q	ALPHA	BETA	CL(SA)	CD(SA)	CPM(SA)	CRM(SA)	CYM(SA)	CSF(SA)	
		PA	DEG	DEG							
10053	.150	1588.9	9.96	4.99	.9218	.1543	.2597	-.0224	-.0341	.0480	
10054	.151	1596.0	10.00	4.93	1.2743	.2459	.2095	-.0402	-.0331	.0627	
10055	.152	1610.3	14.85	4.79	1.4399	.5027	.1893	-.0282	-.0268	.0377	
10056	.150	1579.3	24.62	4.93	1.6404	.7182	.0863	-.0296	-.0159	-.0041	
10057	.150	1571.9	29.60	4.31	1.8229	.9892	-.0257	-.0238	-.0100	-.0348	
10058	.149	1561.9	34.69	5.12	1.8650	1.2342	-.2269	-.0249	-.0009	-.0722	
10059	.151	1598.7	39.76	5.03	1.8292	1.4297	-.4228	-.0190	.0130	-.0829	
10060	.150	1586.9	44.82	4.93	1.7037	1.5704	-.6046	-.0170	.0152	-.0733	
10061	.149	1567.8	50.31	5.00	1.6124	1.7881	-.6931	-.0082	.0165	-.0792	
10062	.151	1590.7	9.91	4.76	.9387	.1605	.2565	-.0225	-.0344	.0549	

TEST	23		RUN	131						
TP	MACH	Q	ALPHA	BETA	CNF(BA)	CAF(BA)	CPM(BA)	CRM(BA)	CYM(BA)	CSF(BA)
		PA	DEG	DEG						
10053	.150	1588.9	9.96	4.99	.9346	-.0075	.2597	-.0162	-.0375	.0480
10054	.151	1596.0	10.00	4.93	1.3075	-.0439	.2095	-.0302	-.0424	.0627
10055	.152	1610.3	14.85	4.79	1.5250	-.0162	.1893	-.0174	-.0348	.0377
10056	.150	1579.3	24.62	4.93	1.7905	-.0305	.0363	-.0203	-.0267	-.0041
10057	.150	1571.9	29.60	4.31	2.0736	-.0403	-.0257	-.0157	-.0205	-.0348
10058	.149	1561.9	34.69	5.12	2.2359	-.0466	-.2269	-.0200	-.0150	-.0722
10059	.151	1598.7	39.76	5.03	2.3206	-.0709	-.4228	-.0229	-.0022	-.0829
10060	.150	1586.9	44.82	4.93	2.3154	-.0872	-.6046	-.0279	-.0012	-.0733
10061	.149	1567.8	50.31	5.00	2.4057	-.0487	-.6931	-.0180	.0042	-.0792
10062	.151	1590.7	9.91	4.76	.9523	-.0034	.2565	-.0162	-.0376	.0549

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TEST TP	23 MACH	Q PA	RUN 132 ALPHA DEG	BETA DEG	CL(SA)	CD(SA)	CPM(SA)	CRM(SA)	CYM(SA)	CSF(SA)
10075	.149	1564.7	.03	-.01	.0403	.0679	-.0138	.0462	.0083	-.0100
10076	.150	1581.4	4.98	.00	.5658	.0996	-.0351	.0339	.0046	-.0079
10077	.150	1586.2	9.97	.02	1.0234	.1606	-.0596	.0291	.0027	-.0080
10078	.150	1585.3	15.13	.03	1.4255	.3173	-.1209	.0066	-.0027	.0004
10079	.150	1571.2	19.86	.03	1.6358	.5569	-.1641	.0018	-.0019	-.0014
10080	.151	1591.0	24.70	.04	1.8075	.8000	-.2324	-.0005	.0005	.0027
10081	.149	1565.3	29.68	-.16	1.9917	1.1105	-.2942	-.0007	-.0002	.0195
10082	.149	1566.9	34.61	.04	1.9595	1.3386	-.3534	.0017	.0002	.0059
10083	.150	1577.5	39.54	.04	1.8364	1.5083	-.4445	-.0023	-.0016	.0320
10084	.150	1577.1	44.65	.05	1.7592	1.7206	-.5126	.0037	-.0009	.0149
10085	.148	1546.7	50.00	.03	1.6277	1.9077	-.6213	.0032	-.0010	.0173
10086	.151	1589.4	.04	-.01	.0396	.0678	-.0131	.0473	.0084	-.0110

TEST TP	23 MACH	Q PA	RUN 132 ALPHA DEG	BETA DEG	CNF(BA)	CAF(BA)	CPM(BA)	CRM(BA)	CYM(BA)	CSF(BA)
10075	.149	1564.7	.03	-.01	.0403	.0679	-.0138	.0462	.0084	-.0100
10076	.150	1581.4	4.95	.00	.5724	.0500	-.0351	.0333	.0075	-.0079
10077	.150	1586.2	9.97	.02	1.0358	-.0189	-.0596	.0282	.0077	-.0080
10078	.150	1535.3	15.13	.03	1.4589	-.0657	-.1209	.0071	-.0008	.0004
10079	.150	1571.2	19.86	.03	1.7276	-.0320	-.1641	.0023	-.0011	-.0014
10080	.151	1591.0	24.70	.04	1.9764	-.0283	-.2324	-.0006	.0002	.0027
10081	.149	1565.3	29.68	-.16	2.2803	-.0216	-.2942	-.0004	-.0005	.0195
10082	.149	1566.9	34.61	.04	2.3731	-.0111	-.3534	.0013	.0012	.0059
10083	.150	1577.5	39.54	.04	2.3764	-.0061	-.4445	-.0008	-.0027	.0320
10084	.150	1577.8	44.65	.05	2.4607	-.0121	-.5126	.0032	.0020	.0149
10085	.148	1546.7	50.00	.03	2.5076	-.0205	-.6213	.0028	.0018	.0173
10086	.151	1589.4	.04	-.01	.0397	.0678	-.0131	.0473	.0084	-.0110

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TEST	23	RUN 133									
TP	MACH	PA	ALPHA DEG	BETA DEG	CL(SA)	CD(SA)	CPM(SA)	CRM(SA)	CYM(SA)	CSF(SA)	
10100	.149	1567.3	-0.04	.00	-.1792	.1163	.2425	.0324	-.0088	.0320	
10101	.150	1573.3	5.05	.00	.3553	.1266	.2738	.0169	-.0093	.0281	
10102	.150	1579.5	9.45	.00	.7827	.1606	.2649	.0102	-.0087	.0270	
10103	.149	1560.1	15.02	-.03	1.1780	.2493	.2210	-.0070	-.0083	.0324	
10104	.149	1568.4	19.97	-.04	1.4090	.4772	.1527	-.0176	-.0026	.0196	
10105	.150	1585.6	24.69	-.09	1.6085	.6987	.0725	-.0169	.0057	.0108	
10106	.150	1590.5	29.71	-.13	1.8012	.9793	-.0336	-.0153	.0088	.0185	
10107	.151	1605.0	34.75	-.17	1.8303	1.2193	-.1721	-.0051	.0143	.0061	
10108	.150	1575.3	39.71	-.16	1.7504	1.3874	-.3314	-.0011	.0148	-.0041	
10109	.151	1591.0	44.80	-.20	1.6094	1.5056	-.5446	.0007	.0142	-.0008	
10110	.150	1577.8	50.35	-.13	1.5328	1.7184	-.6243	.0058	.0138	-.0020	
10111	.151	1603.3	-.04	-.00	-.1758	.1174	.2885	.0329	-.0087	.0403	

TEST	23		RUN								
TP	MACH		133	ALPHA	BETA	CNF(BA)	CAF(BA)	CPM(BA)	CRM(BA)	CYM(BA)	CSF(BA)
		PA		DEG	DEG						
10100	.149	1567.3		-0.04	.00	-.1793	.1181	.2425	.0324	-.0088	.0320
10101	.150	1573.3		5.06	.00	.3652	.0948	.2738	.0176	-.0077	.0281
10102	.150	1579.5		9.85	.00	.7987	.0244	.2649	.0116	-.0068	.0270
10103	.149	1560.1		15.02	-.03	1.2024	-.0645	.2210	-.0046	-.0096	.0324
10104	.149	1568.4		19.97	-.04	1.4872	-.0328	.1527	-.0157	-.0084	.0196
10105	.150	1585.6		24.69	-.09	1.7533	-.0372	.0725	-.0177	-.0019	.0108
10106	.150	1590.5		29.71	-.13	2.0498	-.0421	-.0336	-.0176	.0000	.0185
10107	.151	1605.0		34.75	-.17	2.1988	-.0414	-.1721	-.0124	.0069	.0061
10108	.150	1575.3		39.71	-.16	2.2330	-.0511	-.3814	-.0103	.0107	-.0041
10109	.151	1591.0		44.80	-.20	2.2029	-.0655	-.5446	-.0095	.0106	-.0008
10110	.150	1577.8		50.35	-.13	2.3012	-.0835	-.6243	-.0069	.0133	-.0020
10111	.151	1603.3		-.04	-.00	-.1739	.1173	.2885	.0329	-.0087	.0403

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7 X 10 HIGH SPEED TUNNEL

TEST TP	23 MACH	Q PA	RUN 134 ALPHA DEG	BETA DEG	CL(SA)	CD(SA)	CPH(SA)	CRM(SA)	CYM(SA)	CSP(SA)
10114	.150	1585.3	.16	.00	.2545	.0484	-.0722	-.0099	-.0044	.0183
10115	.150	1590.2	5.12	-.06	.7213	.0883	-.0762	-.0140	-.0041	.0246
10116	.150	1585.4	9.76	-.13	1.1312	.1505	-.0943	-.0135	-.0031	.0292
10117	.149	1570.2	14.69	-.20	1.4601	.2967	-.1380	-.0191	-.0024	.0259
10118	.150	1591.0	19.98	-.28	1.6454	.5715	-.1649	-.0059	.0024	.0123
10119	.150	1575.0	24.73	-.32	1.8074	.8045	-.2302	-.0037	.0068	.0037
10120	.149	1555.4	29.77	-.40	1.9546	1.0961	-.2903	.0016	.0062	.0029
10121	.150	1589.3	34.69	-.44	1.9875	1.3460	-.3691	.0076	.0056	-.0102
10122	.151	1596.1	34.71	-.21	1.9852	1.3455	-.3565	.0062	.0059	-.0144
10123	.150	1584.7	.18	.01	.2527	.0493	-.0716	-.0104	-.0044	.0149
10124	.150	1579.1	4.99	-.02	.7212	.0886	-.0762	-.0132	-.0036	.0141
10125	.150	1585.6	9.83	-.04	1.1307	.1518	-.0931	-.0138	-.0029	.0172
10126	.150	1580.7	12.81	-.07	1.3438	.2061	-.1007	-.0148	-.0035	.0203
10127	.150	1587.6	14.94	-.08	1.4647	.3100	-.1411	-.0199	-.0018	.0160
10128	.151	1604.9	16.94	-.10	1.4940	.4231	-.1497	-.0031	.0022	.0090
10129	.150	1587.6	19.83	-.11	1.6350	.5638	-.1607	-.0058	.0029	.0020
10130	.151	1603.4	24.72	-.11	1.8120	.8087	-.2316	-.0031	.0067	-.0056
10131	.150	1588.6	12.78	-.07	1.3734	.2154	-.1004	-.0140	-.0033	.0195
10132	.150	1590.5	13.85	-.08	1.4291	.2353	-.1056	-.0159	-.0029	.0196
10133	.151	1591.4	14.84	-.09	1.4599	.2899	-.1337	-.0181	-.0022	.0196
10134	.150	1574.4	15.80	-.10	1.4463	.3660	-.1469	-.0035	.0031	.0076
10135	.150	1582.8	16.83	-.05	1.4906	.4186	-.1518	-.0047	.0024	.0035
10136	.150	1585.3	.16	.01	.2531	.0502	-.0726	-.0100	-.0042	.0072

TEST TP	23 MACH	Q PA	RUN 134 ALPHA DEG	BETA DEG	CNF(SA)	CAF(SA)	CPH(SA)	CRM(SA)	CYM(SA)	CSP(SA)
10114	.150	1585.3	.16	.00	.2546	.0477	-.0722	-.0099	-.0045	.0183
10115	.150	1590.2	5.12	-.06	.7263	.0236	-.0762	-.0135	-.0053	.0246
10116	.150	1585.4	9.76	-.13	1.1403	-.0435	-.0943	-.0128	-.0053	.0292
10117	.149	1570.2	14.69	-.20	1.4876	-.0833	-.1380	-.0178	-.0072	.0259
10118	.150	1591.0	19.98	-.28	1.7417	-.0249	-.1649	-.0059	.0004	.0123
10119	.150	1575.0	24.73	-.32	1.9781	-.0256	-.2302	-.0082	.0046	.0037
10120	.149	1555.4	29.77	-.40	2.2409	-.0191	-.2903	-.0017	.0062	.0029
10121	.150	1589.3	34.69	-.44	2.3838	-.0130	-.3691	.0031	.0089	-.0102
10122	.151	1596.1	34.71	-.21	2.3981	-.0244	-.3565	.0017	.0084	-.0144
10123	.150	1584.7	.18	.01	.2528	.0485	-.0716	-.0134	-.0044	.0149
10124	.150	1579.1	4.99	-.02	.7262	.0255	-.0766	-.0128	-.0048	.0141
10125	.150	1585.6	9.83	-.04	1.1400	-.0435	-.0931	-.0131	-.0052	.0172
10126	.150	1580.7	12.81	-.07	1.3580	-.0474	-.1007	-.0131	-.0065	.0203
10127	.150	1587.6	14.94	-.08	1.4932	-.0779	-.1411	-.0148	-.0069	.0160
10128	.151	1604.9	16.94	-.10	1.5525	-.0306	-.1497	-.0058	.0006	.0090
10129	.150	1587.6	19.83	-.11	1.7283	-.0243	-.1607	-.0063	.0004	.0020
10130	.151	1603.4	24.72	-.11	1.9841	-.0232	-.2316	-.0058	.0048	-.0056
10131	.150	1588.6	12.78	-.07	1.3870	-.0437	-.1004	-.0129	-.0064	.0195
10132	.150	1590.5	13.85	-.08	1.4439	-.1136	-.1038	-.0147	-.0066	.0196
10133	.151	1591.4	14.84	-.09	1.4854	-.0938	-.1337	-.0170	-.0068	.0196
10134	.150	1574.4	15.80	-.10	1.4913	-.0416	-.1469	-.0042	.0020	.0076
10135	.150	1582.8	16.83	-.05	1.5480	-.0309	-.1518	-.0052	.0010	.0035
10136	.150	1585.3	.16	.01	.2533	.0495	-.0726	-.0100	-.0042	.0072

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7 X 10 HIGH SPEED TUNNEL

TEST TP	23 MACH	α PA	RUN 135 ALPHA DEG	BETA DEG	CL(SA)	CD(SA)	CPM(SA)	CRM(SA)	CYM(SA)	CSF(SA)
10150	.150	1588.6	19.99	.06	1.6445	.5756	-.1511	-.0054	.0028	-.0013
10151	.151	1593.6	19.01	.06	1.5674	.5072	-.1612	-.0056	.0026	.0013
10152	.150	1578.6	17.80	.04	1.5114	.4464	-.1509	-.0048	.0024	.0052
10153	.150	1584.8	16.90	.06	1.4955	.4250	-.1514	-.0049	.0025	.0027
10154	.150	1588.4	15.92	.04	1.4536	.3756	-.1490	-.0040	.0033	.0024
10155	.150	1588.3	14.95	.05	1.4675	.3154	-.1358	-.0180	-.0010	.0085
10156	.150	1588.0	13.92	.01	1.4358	.2382	-.1030	-.0151	-.0024	.0158
10157	.150	1589.1	12.85	-.01	1.3514	.2086	-.0992	-.0141	-.0030	.0182
10158	.150	1588.3	10.00	.00	1.1514	.1567	-.0954	-.0131	-.0027	.0139
10159	.149	1570.6	.16	.00	.2499	.0475	-.0701	-.0101	-.0043	.0139

TEST TP	23 MACH	α PA	RUN 135 ALPHA DEG	BETA DEG	CNF(BA)	CAF(BA)	CPM(BA)	CRM(BA)	CYM(BA)	CSF(BA)
10150	.150	1588.6	19.99	.06	1.7422	-.0212	-.1611	-.0061	.0008	-.0013
10151	.151	1593.6	19.01	.06	1.6472	-.0310	-.1612	-.0062	.0006	.0013
10152	.150	1578.6	17.80	.04	1.5755	-.0369	-.1509	-.0053	.0008	.0052
10153	.150	1584.8	16.90	.06	1.5545	-.0283	-.1514	-.0054	.0009	.0027
10154	.150	1588.4	15.92	.04	1.5009	-.0375	-.1490	-.0047	.0020	.0024
10155	.150	1588.3	14.95	.05	1.4991	-.0745	-.1358	-.0172	-.0056	.0085
10156	.150	1588.0	13.92	.01	1.4510	-.1143	-.1030	-.0141	-.0059	.0158
10157	.150	1589.1	12.85	-.01	1.3640	-.0973	-.0992	-.0131	-.0061	.0182
10158	.150	1588.3	10.00	.00	1.1611	-.0461	-.0954	-.0124	-.0049	.0139
10159	.149	1570.6	.16	.00	.2500	.0468	-.0701	-.0101	-.0043	.0139

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7 X 10 HIGH SPEED TUNNEL

TEST TP	23 MACH		PUN 136 ALPHA DEG	BETA DEG	CL(SA)	CD(SA)	CPM(SA)	CRM(SA)	CYM(SA)	CSF(SA)
10172	.151	1592.4	4.90	.00	.0464	.0367	.0117	-.0114	-.0047	.0160
10173	.150	1587.2	4.90	.02	.5954	.0712	-.0269	-.0121	-.0038	.0079
10174	.151	1595.6	4.85	.04	.9941	.1438	-.0537	-.0162	-.0080	.0205
10175	.150	1579.3	14.90	.00	1.2084	.3406	-.0773	-.0138	.0008	.0141
10176	.151	1592.1	20.00	.03	1.5146	.5560	-.1247	-.0094	.0020	.0040
10177	.151	1607.3	24.65	.08	1.6760	.7554	-.1931	-.0052	.0063	-.0115
10178	.152	1615.0	29.75	.06	1.8595	1.0633	-.2738	-.0006	.0066	-.0085
10179	.150	1585.3	34.66	.11	1.8761	1.3020	-.3380	.0058	.0063	-.0259
10180	.149	1567.7	39.62	.12	1.7743	1.4722	-.4558	.0081	.0086	-.0517
10181	.148	1535.7	44.72	.13	1.6861	1.6712	-.5094	.0066	.0096	-.0272
10182	.148	1536.9	50.34	.21	1.5524	1.5608	-.6374	.0059	.0121	-.0256
10183	.152	1622.5	.04	.00	.0467	.0367	.0113	-.0112	-.0046	.0084

TEST TP	23 MACH		PUN 136 ALPHA DEG	BETA DEG	CNF(BA)	CAF(BA)	CPM(BA)	CRM(BA)	CYM(BA)	CSF(BA)
10172	.151	1592.4	4.90	.00	.0464	.0367	.0117	-.0114	-.0047	.0160
10173	.150	1587.2	4.90	.02	.5993	.0201	-.0269	-.0117	-.0048	.0079
10174	.151	1595.6	4.85	.04	1.0040	-.0284	-.0537	-.0165	-.0110	.0205
10175	.150	1579.3	14.90	.00	1.2553	.0184	-.0773	-.0135	-.0028	.0141
10176	.151	1592.1	20.00	.03	1.6134	.0043	-.1247	-.0095	-.0014	.0040
10177	.151	1607.3	24.66	.08	1.8393	-.0129	-.1931	-.0073	.0036	-.0115
10178	.152	1615.0	29.75	.06	2.1420	.0005	-.2738	-.0038	.0055	-.0085
10179	.150	1585.3	34.66	.11	2.2836	.0039	-.3380	.0012	.0084	-.0259
10180	.149	1567.7	39.62	.12	2.3055	.0025	-.4558	.0007	.0118	-.0517
10181	.148	1535.7	44.72	.13	2.3740	.0010	-.5094	-.0021	.0115	-.0272
10182	.148	1536.9	50.34	.21	2.4233	-.0075	-.6374	-.0056	.0122	-.0286
10183	.152	1622.5	.04	.00	.0467	.0367	.0113	-.0112	-.0046	.0084

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7 X 10 HIGH SPEED TUNNEL

TEST	23		RUN								
TP	MACH	Q PA	137	ALPHA DEG	BETA DEG	CL(SA)	CD(SA)	CPM(SA)	CRM(SA)	CYM(SA)	CSF(SA)
10186	.151	1591.7		.03	.00	.0452	.0343	.0134	-.0009	-.0010	.0010
10187	.151	1596.5		4.92	.01	.5925	.0685	-.0165	-.0016	-.0009	-.0021
10188	.151	1591.7		10.06	.04	1.0217	.1609	-.0516	-.0089	-.0077	.0084
10189	.150	1579.5		14.79	.03	1.1739	.3198	-.0952	-.0016	-.0004	-.0020
10190	.151	1603.8		19.93	.06	1.5015	.5454	-.1353	.0002	-.0018	-.0051
10191	.149	1565.6		24.63	.07	1.6955	.7713	-.2067	-.0006	-.0007	-.0040
10192	.150	1584.1		29.74	.04	1.8505	1.0582	-.2760	-.0009	-.0007	-.0010
10193	.150	1580.6		34.59	.04	1.9021	1.3170	-.3198	.0003	-.0004	.0022
10194	.150	1578.3		39.62	.07	1.7525	1.4635	-.4163	-.0027	-.0016	.0201
10195	.151	1591.0		44.53	.07	1.7014	1.6665	-.4848	.0010	-.0008	.0022
10196	.150	1590.3		50.53	.13	1.5739	1.8962	-.6225	-.0002	-.0004	.0089
10197	.149	1567.9		.04	.00	.0462	.0347	.0122	-.0012	-.0011	.0064

TEST	23		RUN								
TP	MACH	Q PA	137	ALPHA DEG	BETA DEG	CNF(BA)	CAF(BA)	CPM(BA)	CRM(BA)	CYM(BA)	CSF(BA)
10186	.151	1591.7		.03	.00	.0452	.0342	.0134	-.0009	-.0010	.0010
10187	.151	1596.5		4.92	.01	.5962	.0174	-.0169	-.0015	-.0010	-.0021
10188	.151	1591.7		10.06	.04	1.0341	-.0200	-.0516	-.0074	-.0091	.0084
10189	.150	1579.5		14.79	.03	1.2166	.0095	-.0352	-.0015	-.0008	-.0020
10190	.151	1603.8		19.93	.06	1.5975	.0010	-.1353	.0008	-.0016	-.0051
10191	.149	1565.6		24.63	.07	1.8627	-.0055	-.2067	-.0003	-.0009	-.0040
10192	.150	1584.1		29.74	.04	2.1317	.0009	-.2760	-.0004	-.0011	-.0010
10193	.150	1580.6		34.59	.04	2.3136	.0044	-.3198	.0005	-.0001	.0022
10194	.150	1578.3		39.62	.07	2.2632	.0096	-.4163	-.0011	-.0029	.0201
10195	.151	1591.0		44.53	.07	2.3816	-.0053	-.4848	.0013	.0001	.0022
10196	.150	1590.3		50.53	.13	2.4642	-.0095	-.6225	.0002	-.0004	.0089
10197	.149	1567.9		.04	.00	.0463	.0347	.0122	-.0012	-.0011	.0064

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7 X 10 HIGH SPEED TUNNEL

TEST TP	23	MACH	C PA	RUN 138 ALPHA DEG	BETA DEG	CL(SA)	CD(SA)	CPH(SA)	CRM(SA)	CYM(SA)	CSF(SA)
10198		.149	1561.7	.97	-5.08	.1177	.0657	.0068	.0005	-.0115	.0921
10199		.150	1586.0	4.78	-5.05	.5378	.0713	-.0174	.0031	-.0117	.0968
10200		.150	1585.4	10.02	-4.76	.9916	.1467	-.0520	.0016	-.0161	.0999
10201		.150	1572.8	14.66	-5.18	1.1860	.3267	-.1165	.0089	-.0072	.0857
10202		.150	1562.2	19.66	-5.10	1.4675	.5169	-.1193	.0073	-.0051	.0651
10203		.151	1597.2	24.71	-4.90	1.7047	.7610	-.1810	.0075	-.0033	.0626
10204		.151	1590.7	29.55	-4.80	1.8767	1.0548	-.2275	.0068	.0020	.0822
10205		.150	1570.7	34.45	-4.75	1.8623	1.2830	-.3235	.0127	.0012	.0869
10206		.151	1601.3	39.84	-4.80	1.7651	1.4805	-.3980	.0152	-.0053	.1028
10207		.151	1598.8	44.38	-5.04	1.7096	1.6713	-.4559	.0191	-.0061	.0932
10208		.150	1589.3	50.39	-4.85	1.5991	1.9094	-.5916	.0143	-.0116	.0891
10209		.150	1574.1	.85	-4.93	.1060	.0579	.0084	.0005	-.0105	.0655

TEST TP	23	MACH	C PA	RUN 138 ALPHA DEG	BETA DEG	CNF(BA)	CAF(BA)	CPH(BA)	CRM(BA)	CYM(BA)	CSF(BA)
10198		.149	1561.7	.97	-5.08	.1188	.0637	.0068	.0007	-.0114	.0921
10199		.150	1586.0	4.78	-5.05	.5419	.0262	-.0174	.0041	-.0114	.0968
10200		.150	1585.4	10.02	-4.76	1.0020	-.0280	-.0520	.0043	-.0156	.0999
10201		.150	1572.8	14.66	-5.18	1.2306	.0178	-.1165	.0104	-.0047	.0857
10202		.150	1582.2	19.66	-5.10	1.5559	-.0070	-.1193	.0085	-.0023	.0651
10203		.151	1597.2	24.71	-4.90	1.8667	-.0213	-.1810	.0083	.0001	.0626
10204		.151	1590.7	29.55	-4.80	2.1528	-.0080	-.2275	.0049	.0051	.0822
10205		.150	1570.7	34.45	-4.75	2.2760	-.0070	-.3235	.0098	.0081	.0869
10206		.151	1601.3	39.84	-4.80	2.3036	.0059	-.3980	.0151	.0057	.1028
10207		.151	1598.8	44.38	-5.04	2.3908	-.0011	-.4559	.0179	.0090	.0932
10208		.150	1589.3	50.39	-4.85	2.4905	-.0147	-.5916	.0181	.0037	.0891
10209		.150	1574.1	.85	-4.93	.1068	.0563	.0084	.0007	-.0105	.0355

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TEST	23		RUN								
TP	MACH	J	139								
		PA	ALPHA	BETA	CL(SA)	CD(SA)	CPM(SA)	CRM(SA)	CYM(SA)	CSF(SA)	
			DEG	DEG							
10224	.150	1575.7	1.37	5.03	.1915	.0548	.0060	-.0037	.0089	-.0872	
10225	.151	1595.5	4.96	5.06	.5822	.0663	-.0181	-.0076	.0090	-.0828	
10226	.151	1592.7	10.11	5.02	1.0144	.1467	-.0497	-.0179	.0027	-.0787	
10227	.151	1599.9	14.95	5.14	1.1964	.3230	-.1003	-.0113	.0074	-.0716	
10228	.150	1571.4	19.79	5.06	1.4977	.5354	-.1267	-.0099	.0051	-.0818	
10229	.149	1562.0	24.91	5.13	1.7264	.7945	-.2087	-.0063	.0008	-.0907	
10230	.150	1585.3	29.77	4.95	1.8885	1.0742	-.2544	-.0068	-.0026	-.0973	
10231	.150	1585.1	34.65	4.99	1.8809	1.2915	-.3255	-.0161	-.0008	-.0832	
10232	.151	1590.8	39.69	5.13	1.7600	1.4560	-.4070	-.0134	.0053	-.1040	
10233	.150	1587.8	44.76	5.01	1.6919	1.6631	-.4624	-.0171	.0041	-.0828	
10234	.150	1575.5	50.37	4.90	1.5842	1.8908	-.6222	-.0136	.0105	-.0610	
10235	.150	1590.0	1.36	4.98	.2043	.0646	.0028	-.0037	.0096	-.0940	

TEST	23		RUN								
TP	MACH	J	139								
		PA	ALPHA	BETA	CNF(BA)	CAF(BA)	CPM(BA)	CRM(BA)	CYM(BA)	CSF(BA)	
			DEG	DEG							
10224	.150	1575.7	1.37	5.03	.1928	.0503	.0060	-.0039	.0088	-.0872	
10225	.151	1595.5	4.95	5.06	.5858	.0157	-.0181	-.0083	.0083	-.0828	
10226	.151	1592.7	10.11	5.02	1.0244	-.0336	-.0497	-.0181	-.0005	-.0797	
10227	.151	1599.9	14.95	5.14	1.2392	.0035	-.1003	-.0128	.0042	-.0716	
10228	.150	1571.4	19.79	5.06	1.5905	-.0035	-.1267	-.0110	.0014	-.0818	
10229	.149	1562.0	24.91	5.13	1.9004	-.0064	-.2087	-.0079	-.0027	-.0907	
10230	.150	1585.3	29.77	4.95	2.1726	-.0051	-.2544	-.0046	-.0056	-.0973	
10231	.150	1585.1	34.65	4.99	2.2817	-.0071	-.3255	-.0128	-.0098	-.0832	
10232	.151	1590.8	39.69	5.13	2.2842	-.0036	-.4070	-.0136	-.0045	-.1040	
10233	.150	1587.8	44.76	5.01	2.3724	-.0104	-.4624	-.0150	-.0042	-.0828	
10234	.150	1575.5	50.37	4.90	2.4667	-.0139	-.6222	-.0168	-.0037	-.0610	
10235	.150	1590.0	1.36	4.98	.2058	.0597	.0028	-.0039	.0095	-.0940	

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7 X 10 HIGH SPEED TUNNEL

TEST TP	23	MACH	Q PA	RUN 140 ALPHA DEG	BETA DEG	CL(SA)	CD(SA)	CPM(SA)	CRM(SA)	CYM(SA)	CSF(SA)
10238		.151	1601.8	-0.07	-0.00	-.3084	.1581	.5159	-.0013	-.0006	.0117
10239		.151	1591.9	4.84	-0.01	.1815	.1558	.5400	-.0013	-.0006	.0098
10240		.150	1581.5	10.05	-0.01	.5902	.1880	.5493	-.0073	-.0000	.0164
10241		.149	1563.2	14.96	-0.09	.7377	.2884	.5308	-.0020	.0004	.0163
10242		.150	1583.0	19.78	-0.12	1.0529	.4347	.5010	.0006	-.0013	.0160
10243		.150	1576.9	24.64	-0.15	1.2651	.5996	.3829	.0007	-.0006	.0109
10244		.150	1575.2	29.81	-0.18	1.4590	.8239	.2810	-.0002	-.0009	.0178
10245		.150	1577.4	34.60	-0.19	1.5598	1.0560	.1032	.0003	.0005	.0166
10246		.149	1564.0	39.85	-0.22	1.5222	1.2170	-.1013	-.0006	.0006	.0181
10247		.150	1572.7	44.54	-0.22	1.4263	1.3231	-.2309	.0002	-.0014	.0227
10248		.151	1602.5	50.00	-0.22	1.3795	1.5050	-.3175	-.0001	-.0019	.0274
10249		.149	1553.9	-0.09	-0.00	-.3130	.1559	.5113	-.0008	-.0007	.0152

TEST TP	23	MACH	Q P	RUN 140 ALPHA DEG	BETA DEG	CNF(BA)	CAF(BA)	CPM(BA)	CRM(BA)	CYM(BA)	CSF(BA)
10238		.151	1601.8	-0.07	-0.00	-.3086	.1577	.5159	-.0013	-.0006	.0117
10239		.151	1591.9	4.84	-0.01	.1940	.1400	.5400	-.0012	-.0004	.0098
10240		.150	1581.5	10.05	-0.01	.6140	.0621	.5493	-.0063	-.0061	.0164
10241		.149	1563.2	14.95	-0.09	.7871	.0862	.5308	-.0020	-.0001	.0163
10242		.150	1583.0	19.73	-0.12	1.1379	.0528	.5010	.0010	-.0010	.0160
10243		.150	1576.9	24.64	-0.15	1.3999	.0176	.3829	.0009	-.0003	.0109
10244		.150	1575.2	29.81	-0.13	1.6755	-.0105	.2810	.0003	-.0009	.0178
10245		.150	1577.4	34.60	-0.19	1.8836	-.0165	.1032	-.0000	.0006	.0166
10246		.149	1564.0	39.85	-0.22	1.9484	-.0412	-.1013	-.0008	.0001	.0181
10247		.150	1572.7	44.54	-0.22	1.9446	-.0575	-.2309	.0011	-.0009	.0227
10248		.151	1602.5	50.00	-0.22	2.0396	-.0893	-.3179	.0014	-.0013	.0274
10249		.149	1553.9	-0.09	-0.00	-.3132	.1554	.5113	-.0008	-.0007	.0152

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7 X 10 HIGH SPEED TUNNEL

TEST TP	23 MACH	Q PA	RUN 141 ALPHA DEG	BETA DEG	CL(SA)	CD(SA)	CPM(SA)	CRM(SA)	CYM(SA)	CSF(SA)
10250	.150	1586.2	.85	-4.85	-.2624	.1784	.5072	.0085	-.0061	.0806
10251	.151	1589.7	4.74	-5.05	.1234	.1501	.5245	.0081	-.0078	.0866
10252	.150	1579.1	10.07	-4.94	.5705	.1611	.5415	.0048	-.0118	.0923
10253	.150	1570.2	14.88	-4.78	.7461	.2956	.5256	.0048	-.0016	.0634
10254	.149	1565.7	19.67	-4.93	1.0524	.4339	.4998	.0089	.0015	.0578
10255	.150	1580.5	24.84	-5.04	1.2851	.6005	.4135	.0127	.0036	.0432
10256	.150	1579.3	29.51	-5.01	1.4799	.8325	.3164	.0130	.0069	.0713
10257	.151	1591.6	34.89	-5.03	1.5361	1.0374	.1115	.0190	.0069	.0794
10258	.150	1570.5	39.62	-4.90	1.5324	1.2038	-.0553	.0180	-.0028	.0817
10259	.150	1572.3	44.56	-4.97	1.4889	1.3641	-.1943	.0122	-.0054	.0967
10260	.151	1587.5	49.94	-5.02	1.4044	1.5234	-.3188	.0119	-.0095	.0897
10261	.151	1592.9	.75	-5.13	-.2698	.1734	.5093	.0086	-.0062	.0820

TEST TP	23 MACH	Q PA	RUN 141 ALPHA DEG	BETA DEG	CNF(BA)	CAF(BA)	CPM(BA)	CRM(BA)	CYM(BA)	CSF(BA)
10250	.150	1586.2	.85	-4.85	-.2597	.1824	.5072	.0086	-.0059	.0806
10251	.151	1589.7	4.74	-5.05	.1354	.1394	.5245	.0087	-.0071	.0866
10252	.150	1579.1	10.07	-4.94	.5934	.0786	.5415	.0068	-.0108	.0923
10253	.150	1570.2	14.88	-4.78	.7969	.0536	.5256	.0051	-.0003	.0634
10254	.149	1565.7	19.67	-4.93	1.1370	.0543	.4998	.0079	.0044	.0578
10255	.150	1580.5	24.84	-5.04	1.4164	.0050	.4135	.0100	.0086	.0432
10256	.150	1579.3	29.51	-5.01	1.6979	-.0046	.3164	.0079	.0124	.0713
10257	.151	1591.6	34.89	-5.03	1.8534	-.0277	.1115	.0116	.0165	.0794
10258	.150	1570.5	39.62	-4.90	1.9481	-.0498	-.0553	.0157	.0094	.0817
10259	.150	1572.3	44.56	-4.97	2.0160	-.0727	-.1943	.0125	.0047	.0967
10260	.151	1587.5	49.94	-5.02	2.0698	-.0944	-.3188	.0149	.0030	.0897
10261	.151	1592.9	.75	-5.13	-.2675	.1769	.5093	.0087	-.0061	.0820

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7 X 10 HIGH SPEED TUNNEL

TEST TP	23 MACH	Q PA	RUN 142 ALPHA DEG	BETA DEG	CL(SA)	CD(SA)	CPM(SA)	CRM(SA)	CYM(SA)	CSF(SA)
10262	.151	1596.7	1.15	5.05	-.1838	.1676	.5001	-.0113	.0055	-.0868
10263	.150	1583.6	4.81	4.72	.1683	.1505	.5214	-.0111	.0061	-.0734
10264	.150	1579.1	10.07	4.89	.5989	.1899	.5448	-.0179	.0028	-.0733
10265	.149	1558.1	14.71	4.86	.7482	.2960	.5382	-.0088	.0030	-.0615
10266	.150	1580.2	19.86	5.05	1.0434	.4245	.5097	-.0109	-.0003	-.0448
10267	.150	1576.9	24.66	4.83	1.2686	.6091	.3863	-.0122	-.0052	-.0540
10268	.150	1579.1	29.82	5.02	1.4850	.8446	.2912	-.0138	-.0053	-.0608
10269	.150	1584.3	34.68	5.14	1.5483	1.0464	.1042	-.0191	-.0053	-.0721
10270	.150	1584.2	39.74	5.00	1.5288	1.2077	-.0710	-.0166	.0036	-.0707
10271	.149	1560.3	44.80	5.00	1.4904	1.3847	-.2089	-.0152	.0037	-.0788
10272	.150	1578.6	50.13	4.89	1.3910	1.5224	-.3124	-.0103	.0045	-.0582
10273	.149	1561.0	.97	4.82	-.1893	.1796	.4958	-.0110	.0055	-.0879

TEST TP	23 MACH	Q PA	RUN 142 ALPHA DEG	BETA DEG	CNF(BA)	CAF(BA)	CPM(BA)	CRM(BA)	CYM(BA)	CSF(BA)
10262	.151	1596.7	1.15	5.08	-.1804	.1712	.5001	-.0114	.0053	-.0868
10263	.150	1583.6	4.81	4.72	.1803	.1359	.5214	-.0116	.0052	-.0734
10264	.150	1579.1	10.07	4.89	.6229	.0823	.5448	-.0182	-.0004	-.0733
10265	.149	1558.1	14.71	4.86	.7989	.0963	.5382	-.0093	.0006	-.0615
10266	.150	1580.2	19.86	5.06	1.1255	.0447	.5097	-.0101	-.0040	-.0448
10267	.150	1576.9	24.66	4.83	1.4252	.0159	.3363	-.0089	-.0096	-.0540
10268	.150	1579.1	29.82	5.02	1.7084	-.0057	.2912	-.0093	-.0114	-.0608
10269	.150	1584.3	34.68	5.14	1.8686	-.0204	.1042	-.0126	-.0152	-.0721
10270	.150	1584.2	39.74	5.00	1.9477	-.0488	-.0710	-.0150	-.0079	-.0707
10271	.149	1560.3	44.80	5.00	2.0333	-.0677	-.2089	-.0134	-.0080	-.0788
10272	.150	1578.6	50.13	4.89	2.0601	-.0916	-.3124	-.0101	-.0050	-.0582
10273	.149	1561.0	.97	4.82	-.1862	.1826	.4958	-.0111	.0053	-.0879

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TEST	23		RUN 143							
TP	MACH	Q PA	ALPHA DEG	BETA DEG	CL(SA)	CD(SA)	CPM(SA)	CRM(SA)	CYM(SA)	CSF(SA)
10286	.150	1578.2	-0.02	-0.02	-0.0944	.0556	.0520	.0331	.0068	.0027
10287	.150	1577.8	4.96	-0.01	.4427	.0848	.0187	.0379	.0056	-0.0024
10288	.150	1577.9	10.09	.01	.9076	.1674	-0.0266	.0210	-0.0041	.0103
10289	.150	1586.4	14.88	.01	1.2234	.3304	-0.0913	-0.0070	-0.0013	.0079
10290	.150	1586.4	19.82	.01	1.5128	.5412	-0.1283	-0.0014	-0.0024	.0062
10291	.150	1583.7	-0.07	-0.02	-0.0979	.0569	.0530	.0332	.0069	.0028
TEST	23		RUN 143							
TP	MACH	Q PA	ALPHA DEG	BETA DEG	CNF(BA)	CAF(BA)	CPM(BA)	CRM(BA)	CYM(BA)	CSF(BA)
10286	.150	1578.2	-0.02	-0.02	-0.0944	.0556	.0520	.0331	.0068	.0027
10287	.150	1577.8	4.96	-0.01	.4484	.0462	.0187	.0373	.0089	-0.0024
10288	.150	1577.9	10.09	.01	.9229	.0056	-0.0268	.0214	-0.0004	.0103
10289	.150	1586.4	14.88	.01	1.2672	.0051	-0.0913	-0.0065	-0.0030	.0079
10290	.150	1586.4	19.32	.01	1.6067	-0.0039	-0.1283	-0.0005	-0.0027	.0062
10291	.150	1583.7	-0.07	-0.02	-0.0980	.0568	.0530	.0332	.0068	.0028

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7 X 10 HIGH SPEED TUNNEL

TEST	23		RUN 144							
TP	MACH	Q	ALPHA	BETA	CL(SA)	CD(SA)	CPM(SA)	CRM(SA)	CYM(SA)	CSF(SA)
		PA	DEG	DEG						
10294	.151	1611.4	.01	-.01	-.0294	.0434	.0235	.0160	.0026	.0022
10295	.151	1594.1	4.81	-.01	.4894	.0717	-.0095	.0177	.0016	.0022
10296	.151	1602.1	10.02	-.01	.9461	.1495	-.0487	.0055	-.0051	.0131
10297	.15	1574.8	14.70	-.01	1.1939	.3286	-.1111	-.0032	-.0020	.0090
10298	.150	1581.1	19.93	-.01	1.4929	.5289	-.1279	-.0002	-.0022	.0061
10299	.151	1593.6	.01	-.01	-.0306	.0433	.0217	.0160	.0025	.0027

TEST	23		RUN 144							
TP	MACH	Q	ALPHA	BETA	CNF(BA)	CAF(BA)	CPM(BA)	CRM(BA)	CYM(BA)	CSF(BA)
		PA	DEG	DEG						
10294	.151	1611.4	.01	-.01	-.0294	.0434	.0235	.0160	.0026	.0022
10295	.151	1594.1	4.81	-.01	.4442	.0304	-.0095	.0176	.0031	.0022
10296	.151	1602.1	10.02	-.01	.9577	-.0175	-.0487	.0063	-.0041	.0131
10297	.150	1574.8	14.70	-.01	1.2382	.0148	-.1111	-.0026	-.0027	.0090
10298	.150	1581.1	19.93	-.01	1.5538	-.0117	-.1279	.0005	-.0022	.0061
10299	.151	1593.6	.01	-.01	-.0206	.0434	.0217	.0160	.0025	.0027

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TEST	23			RUN 145							
TP	MACH	Q	ALPHA	BETA	CL(SA)	CD(SA)	CM(SA)	CRM(SA)	CYM(SA)	CSF(SA)	
		PA	DEG	DEG							
10302	.150	1590.3	.01	-.01	-.0279	.0443	.0456	.0209	.0039	-.0002	
10303	.151	1594.2	5.02	-.01	.5189	.0755	.0155	.0236	.0034	-.0012	
10304	.150	1572.0	9.93	-.02	.9362	.1466	-.0207	.0123	-.0038	.0096	
10305	.150	1586.2	14.83	-.04	1.1872	.3187	-.0963	-.0041	-.0012	.0097	
10306	.150	1582.5	19.90	-.03	1.5141	.5448	-.1334	-.0006	-.0020	.0054	
10307	.151	1596.8	.05	-.01	-.0129	.0439	.0448	.0220	.0036	.0025	

TEST	23			RUN 145						
TP	MACH	Q	ALPHA	BETA	CNF(BA)	CAF(BA)	CPH(BA)	CRM(BA)	CYM(BA)	CSF(BA)
		PA	DEG	DEG						
10302	.150	1590.3	.01	-.01	-.0278	.0443	.0456	.0209	.0039	-.0002
10303	.151	1594.2	5.02	-.01	.5235	.0299	.0155	.0233	.0035	-.0012
10304	.150	1572.0	9.93	-.02	.9475	-.0169	-.0207	.0128	-.0016	.0096
10305	.150	1586.2	14.83	-.04	1.2293	.0043	-.0963	-.0037	-.0022	.0097
10306	.150	1582.5	19.90	-.03	1.6092	-.0031	-.1334	.0001	-.0021	.0054
10307	.151	1596.8	.05	-.01	-.0128	.0439	.0448	.0220	.0036	.0025

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7 X 10 HIGH SPEED TUNNEL

TEST	23		RUN 146							
TP	MACH	Q PA	ALPHA DEG	BETA DEG	CL(SA)	CD(SA)	CPM(SA)	CRM(SA)	CYM(SA)	CSF(SA)
10310	.151	1595.8	.04	-.01	.0122	.0391	.0346	.0126	.0018	.0002
10311	.150	1587.3	5.03	.00	.5576	.0706	.0038	.0128	.0015	-.0014
10312	.150	1557.8	7.96	-.01	.9651	.1432	-.0280	.0031	-.0050	.0112
10313	.151	1602.5	14.90	-.01	1.1882	.3227	-.0922	-.0021	-.0006	.0035
10314	.151	1600.5	19.69	.02	1.4810	.5212	-.1307	-.0000	-.0021	.0013
10315	.150	1586.8	.03	-.00	.0125	.0396	.0331	.0131	.0020	-.0015
TEST	23		RUN 146							
TP	MACH	Q PA	ALPHA DEG	BETA DEG	CNF(BA)	CAF(BA)	CPM(BA)	CRM(BA)	CYM(BA)	CSF(BA)
10310	.151	1595.8	.04	-.01	.0123	.0390	.0346	.0126	.0018	.0002
10311	.150	1587.3	5.03	.00	.5616	.0210	.0038	.0126	.0026	-.0014
10312	.150	1587.8	7.96	-.01	.9754	-.0258	-.0280	.0040	-.0044	.0112
10313	.151	1602.8	14.90	-.01	1.2313	.0064	-.0922	-.0019	-.0012	.0035
10314	.151	1600.5	19.69	.02	1.5700	-.0082	-.1307	.0007	-.0020	.0013
10315	.150	1586.8	.03	-.00	.0125	.0396	.0331	.0131	.0020	-.0015

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TEST	23		RUN 147							
TP	MACH	Q PA	ALPHA DEG	BETA DEG	CL(SA)	CD(SA)	CPM(SA)	CRM(SA)	CYM(SA)	CSF(SA)
10331	.151	1594.3	-0.07	-0.02	-0.1021	.0681	.0476	.0517	.0144	-0.0336
10332	.151	1547.1	4.86	.03	.4336	.0962	.0024	.0554	.0108	-0.0409
10333	.151	1600.8	9.85	.07	.8758	.1666	-0.0385	.0440	.0005	-0.0309
10334	.151	1611.1	14.74	.13	1.1914	.3418	-0.1118	.0125	-0.0043	-0.0227
10335	.150	1587.6	19.93	.17	1.4782	.5404	-0.1032	.0131	-0.0082	-0.0206
10336	.149	1557.6	-0.07	-0.02	-0.1029	.0683	.0482	.0515	.0145	-0.0334

TEST	23		RUN 147							
TP	MACH	Q PA	ALPHA DEG	BETA DEG	CNF(BA)	CAF(BA)	CPM(BA)	CRM(BA)	CYM(BA)	CSF(BA)
10331	.151	1594.3	-0.07	-0.02	-0.1022	.0680	.0476	.0517	.0143	-0.0336
10332	.151	1547.1	4.86	.03	.4401	.0591	.0024	.0543	.0154	-0.0409
10333	.151	1600.8	9.85	.07	.8914	.0143	-0.0385	.0432	.0080	-0.0309
10334	.151	1611.1	14.74	.13	1.2392	.0275	-0.1118	.0132	-0.0010	-0.0227
10335	.150	1587.6	19.93	.17	1.5739	.0027	-0.1032	.0151	-0.0033	-0.0206
10336	.149	1557.6	-0.07	-0.02	-0.1029	.0681	.0482	.0515	.0145	-0.0334

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TEST TP	23 MACH	Q PA	RUN 148 ALPHA DEG	BETA DEG	CL(SA)	CD(SA)	CPM(SA)	CRM(SA)	CYM(SA)	CSF(SA)
10339	.150	1585.2	.05	-.00	.0542	.0479	.0138	.0192	.0069	-.0233
10340	.150	1584.2	5.02	.01	.6087	.0812	-.0277	.0184	.0041	-.0239
10341	.150	1578.5	9.91	.01	1.0045	.1594	-.0611	.0118	-.0042	-.0122
10342	.150	1586.6	14.84	.04	1.1915	.3476	-.0971	.0175	-.0026	-.0194
10343	.150	1591.9	19.99	.04	1.4761	.5454	-.1040	.0157	-.0086	-.0112
10344	.151	1597.6	.04	-.00	.0492	.0482	.0130	.0177	.0065	-.0078

TEST TP	23 MACH	Q PA	RUN 148 ALPHA DEG	BETA DEG	CNF(BA)	CAF(BA)	CPM(BA)	CRM(BA)	CYM(BA)	CSF(BA)
10339	.150	1585.2	.05	-.00	.0542	.0478	.0138	.0192	.0069	-.0233
10340	.150	1584.2	5.02	.01	.6135	.0276	-.0277	.0180	.0057	-.0239
10341	.150	1578.5	9.91	.01	1.0169	-.0159	-.0611	.0124	-.0021	-.0122
10342	.150	1586.6	14.84	.04	1.2408	.0309	-.0971	.0175	.0020	-.0194
10343	.150	1591.9	19.99	.04	1.5737	.0078	-.1040	.0176	-.0027	-.0112
10344	.151	1597.6	.04	-.00	.0493	.0481	.0130	.0177	.0065	-.0078

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TEST	23		RUN 149							
TP	MACH	Q PA	ALPHA DEG	BETA DEG	CL(SA)	CD(SA)	CPM(SA)	CRM(SA)	CYM(SA)	CSF(SA)
10347	.151	1592.9	.02	-.00	.0367	.0485	.0146	.0202	.0072	-.0210
10348	.150	1580.9	4.84	.01	.5646	.0602	-.0201	.0230	.0045	-.0267
10349	.150	1584.2	9.97	.03	1.0162	.1725	-.0588	.0140	-.0090	-.0167
10350	.151	1603.9	14.98	.04	1.2046	.3523	-.0925	.0162	-.0024	-.0200
10351	.150	1572.0	19.79	.06	1.4567	.5317	-.1033	.0161	-.0086	-.016
10352	.150	1567.1	.02	-.00	.0403	.0500	.0151	.0203	.0073	-.02

TEST	23		RUN 149							
TP	MACH	Q PA	ALPHA DEG	BETA DEG	CNF(BA)	CAF(BA)	CPM(BA)	CRM(BA)	CYM(BA)	CSF(BA)
10347	.151	1592.9	.02	-.00	.0367	.0485	.0146	.0202	.0072	-.0210
10348	.150	1580.9	4.84	.01	.5694	.0323	-.0201	.0226	.0064	-.0267
10349	.150	1584.2	9.97	.03	1.0307	-.0061	-.0588	.0147	-.0025	-.0167
10350	.151	1603.9	14.98	.04	1.2547	.0290	-.0925	.0162	.0019	-.0200
10351	.150	1572.0	19.79	.06	1.5507	.0072	-.1033	.0180	-.0027	-.0116
10352	.150	1567.1	.02	-.00	.0403	.0500	.0151	.0203	.0073	-.0255

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7 X 10 HIGH SPEED TUNNEL

TEST TP	23 MACH	Q PA	RUN 150 ALPHA DEG	BETA DEG	CL(SA)	CD(SA)	CPM(SA)	CRM(SA)	CYM(SA)	CSF(SA)
10365	.150	1584.3	.03	-.00	.0381	.0358	.0157	.0014	-.0012	.0297
10366	.151	1604.8	4.99	-.08	.5793	.0663	-.0090	.0043	-.0012	.0329
10367	.150	1581.9	9.93	-.20	.9959	.1494	-.0399	-.0048	-.0080	.0504
10368	.150	1589.3	14.83	-.38	1.1983	.3293	-.0950	-.0034	-.0012	.0476
10369	.150	1585.4	19.80	-.54	1.5015	.5379	-.1302	-.0002	-.0030	.0487
10370	.150	1577.3	.03	-.00	.0445	.0355	.0155	.0008	-.0015	.0542

TEST TP	23 MACH	Q PA	RUN 150 ALPHA DEG	BETA DEG	CNF(BA)	CAF(BA)	CPM(BA)	CRM(BA)	CYM(BA)	CSF(BA)
10365	.150	1584.3	.03	-.00	.0381	.0358	.0157	.0014	-.0012	.0297
10366	.151	1604.8	4.99	-.08	.5829	.0157	-.0090	.0044	-.0008	.0329
10367	.150	1581.9	9.93	-.20	1.0068	-.0240	-.0399	-.0034	-.0087	.0504
10368	.150	1589.3	14.83	-.38	1.2427	.0117	-.0950	-.0030	-.0020	.0476
10369	.150	1585.4	19.80	-.54	1.5949	-.0027	-.1302	.0008	-.0029	.0487
10370	.150	1577.3	.03	-.00	.0445	.0355	.0155	.0008	-.0015	.0542

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7 X 10 HIGH SPEED TUNNEL

TEST	23		RUN 151							
TP	MACH	Q	ALPHA	BETA	CL(SA)	CD(SA)	CPM(SA)	CRM(SA)	CYM(SA)	CSF(SA)
		PA	DEG	DEG						
10373	.150	1575.8	.03	.00	.0504	.0350	.0136	-.0004	-.0005	-.0216
10374	.150	1573.7	4.80	.06	.5682	.0644	-.0133	.0012	-.0005	-.0199
10375	.150	1575.0	9.94	.10	.9947	.1421	-.0426	-.0060	-.0069	-.0041
10376	.150	1586.5	14.86	.16	1.2047	.3320	-.0932	-.0025	.0000	-.0162
10377	.150	1584.7	19.77	.07	1.4975	.5353	-.1317	-.0005	-.0023	-.0040
10378	.151	1595.8	.05	.00	.0516	.0346	.0117	-.0004	-.0007	-.0062

TEST	23		RUN 151							
TP	MACH	Q	ALPHA	BETA	CNF(BA)	CAF(BA)	CPM(BA)	CRM(BA)	CYM(BA)	CSF(BA)
		PA	DEG	DEG						
10373	.150	1575.8	.03	.00	.0504	.0350	.0136	-.0004	-.0005	-.0216
10374	.150	1573.7	4.80	.06	.5726	.0165	-.0133	.0012	-.0004	-.0199
10375	.150	1575.0	9.94	.10	1.0043	-.0316	-.0426	-.0047	-.0078	-.0041
10376	.150	1586.5	14.86	.16	1.2496	.0120	-.0932	-.0024	-.0006	-.0162
10377	.150	1584.7	19.77	.07	1.5903	-.0029	-.1317	.0003	-.0023	-.0040
10378	.151	1595.8	.05	.00	.0517	.0346	.0117	-.0004	-.0007	-.0062

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7 X 10 HIGH SPEED TUNNEL

TEST	23		RUN 152							
TP	MACH	Q PA	ALPHA DEG	BETA DEG	CL(SA)	CD(SA)	CPM(SA)	CRM(SA)	CYM(SA)	CSF(SA)
10361	.150	1580.1	.04	-.01	.0568	.0350	.0138	.0004	-.0011	.0137
10362	.150	1580.4	5.04	.02	.5916	.0663	-.0133	.0013	-.0010	.0120
10363	.151	1595.1	10.00	.04	.9942	.1429	-.0391	-.0057	-.0009	.0203
10364	.150	1577.3	14.79	.07	1.2000	.3303	-.0943	-.0024	-.0007	.0100
10385	.149	1562.1	19.79	.10	1.4980	.5362	-.1318	-.0002	-.0021	.0097
10386	.151	1593.3	.05	-.01	.0579	.0348	.0131	-.0001	-.0010	.0098
TEST	23		RUN 152							
TP	MACH	Q PA	ALPHA DEG	BETA DEG	CNF(BA)	CAF(BA)	CPM(BA)	CRM(BA)	CYM(BA)	CSF(BA)
10361	.150	1580.1	.04	-.01	.0568	.0350	.0136	.0004	-.0011	.0137
10362	.150	1580.4	5.04	.02	.5951	.0140	-.0133	.0014	-.0009	.0120
10383	.151	1595.1	10.00	.04	1.0039	-.0319	-.0391	-.0044	-.0078	.0203
10364	.150	1577.3	14.79	.07	1.2446	.0124	-.0943	-.0021	-.0013	.0100
10385	.149	1562.1	19.79	.10	1.5910	-.0027	-.1318	.0005	-.0020	.0097
10386	.151	1593.3	.05	-.01	.0579	.0347	.0131	-.0001	-.0010	.0098

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7 X 10 HIGH SPEED TUNNEL

TEST	23		RUN 153								
TP	MACH	Q	ALPHA	BETA	CL(SA)	CD(SA)	CPM(SA)	CRM(SA)	CYM(SA)	CSF(SA)	
		PA	DEG	DEG							
10389	.150	1574.3	.03	.00	.0477	.0350	.0159	.0004	-.0010	.0037	
10390	.149	1569.5	5.01	-.01	.5607	.0584	-.0108	.0011	-.0008	.0036	
10391	.150	1576.4	10.04	-.02	.9925	.1444	-.0391	-.0062	-.0069	.0114	
10392	.151	1599.8	14.94	-.04	1.1852	.3230	-.0923	-.0025	-.0003	.0001	
10393	.150	1578.0	19.85	-.04	1.4986	.5387	-.1317	-.0000	-.0016	-.0038	
10394	.149	1561.3	.04	.00	.0532	.0353	.0134	.0003	-.0008	-.0003	

TEST	23		RUN 153							
TP	MACH	Q	ALPHA	BETA	CNF(BA)	CAF(BA)	CPM(BA)	CRM(BA)	CYM(BA)	CSF(BA)
		PA	DEG	DEG						
10389	.150	1574.3	.03	.00	.0478	.0350	.0159	.0004	-.0010	.0037
10390	.149	1569.5	5.01	-.01	.5636	.0092	-.0108	.0012	-.0007	.0036
10391	.150	1576.4	10.04	-.02	1.0025	-.0309	-.0391	-.0049	-.0079	.0114
10392	.151	1599.8	14.94	-.04	1.2284	.0065	-.0923	-.0024	-.0010	.0001
10393	.150	1578.0	19.85	-.04	1.5925	-.0023	-.1317	.0005	-.0015	-.0038
10394	.149	1561.3	.04	.00	.0532	.0352	.0134	.0003	-.0008	-.0003

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7 X 10 HIGH SPEED TUNNEL

TEST	23		RUN 154							
TP	MACH		ALPHA	BETA	CL(SA)	CD(SA)	CPM(SA)	CRM(SA)	CYM(SA)	CSF(SA)
			DEG	DEG						
					.0159	.0331	.0158	.0051	-.0023	.0354
10407	.150	1586.1	-.03	.00	.4468	.0618	-.0332	.0326	-.0020	.0192
10408	.150	1587.2	4.93	-.03	.8337	.1526	-.1087	.0409	-.0088	.0501
10409	.150	1573.9	4.99	-.15	1.1161	.2959	-.1869	.0236	-.0091	.0532
10410	.150	1585.1	14.83	-.22	1.4723	.5258	-.2304	.0250	-.0091	.0373
10411	.150	1577.9	19.91	-.29	.0154	.0326	.0182	.0045	-.0024	.0433
10412	.151	1594.6	-.02	-.00						

TEST	23		RUN 154							
TP	MACH		ALPHA	BETA	CNF(BA)	CAF(BA)	CPM(BA)	CRM(BA)	CYM(BA)	CSF(BA)
			DEG	DEG						
					.0159	.0331	.0158	.0051	-.0023	.0354
10407	.150	1586.1	-.03	.00	.4524	.0230	-.0332	.0327	.0009	.0192
10408	.150	1587.2	4.93	-.03	.8476	.0057	-.1087	.0418	-.0015	.0501
10409	.150	1573.9	4.99	-.15	1.1546	.0004	-.1869	.0252	-.0027	.0532
10410	.150	1585.1	14.83	-.22	1.5634	-.0070	-.2304	.0266	-.0000	.0373
10411	.150	1577.9	19.91	-.29	.0154	.0326	.0182	.0045	-.0024	.0433
10412	.151	1594.6	-.02	-.00						

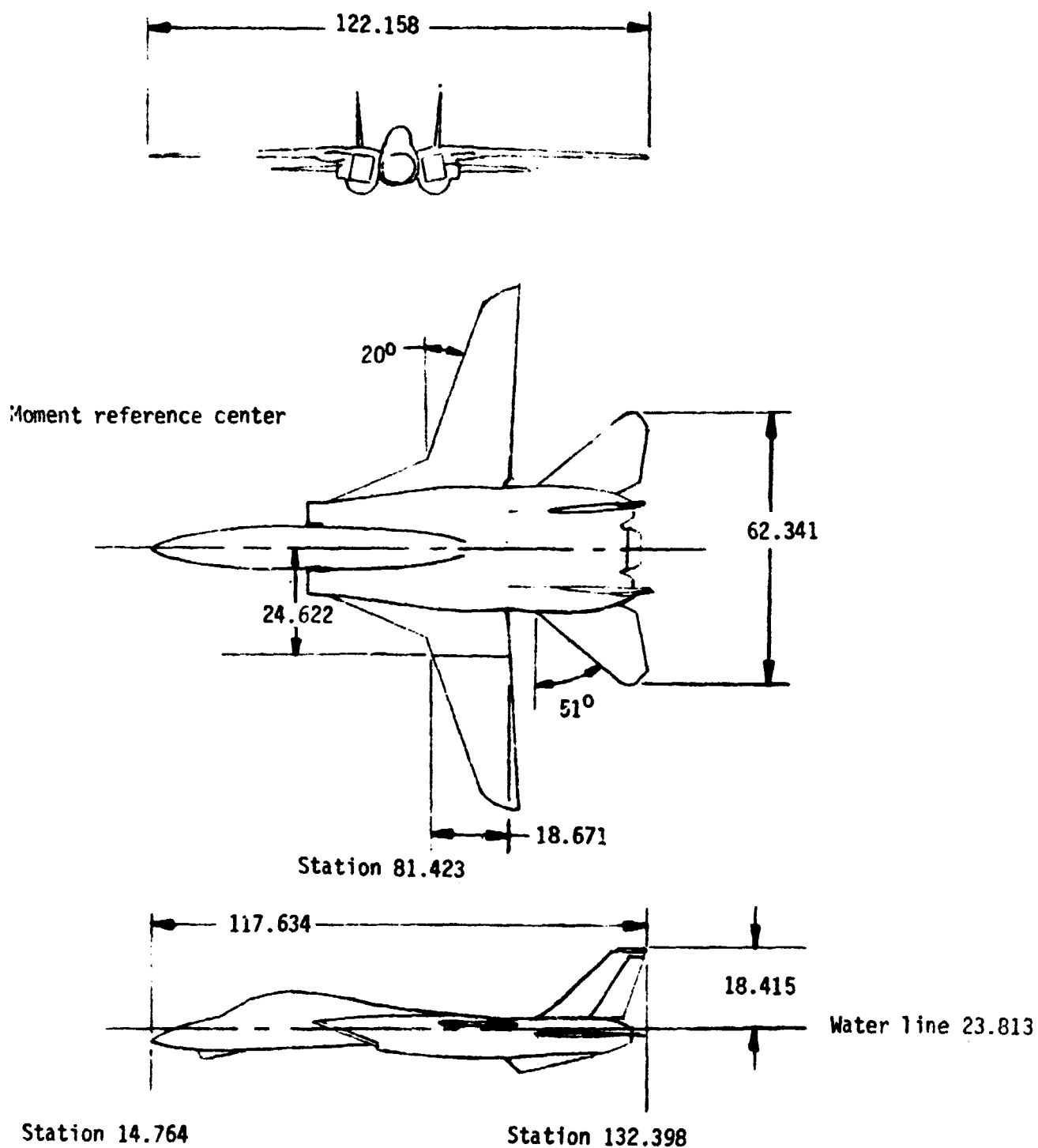
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7 X 10 HIGH SPEED TUNNEL

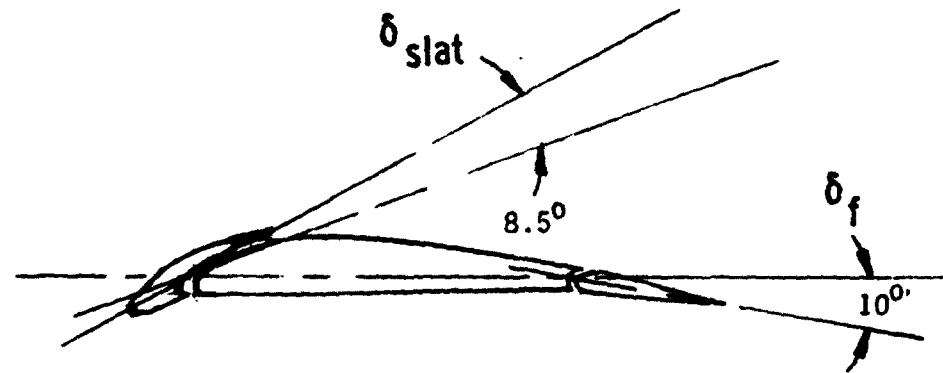
TEST	23		RUN 155							
TP	MACH	Q	ALPHA	BETA	CL(SA)	CD(SA)	CPM(SA)	CRM(SA)	CYM(SA)	CSF(SA)
		PA	DEG	DEG						
10413	.151	1590.3	-.02	-.00	.0157	.0329	.0165	.0048	-.0023	.0427
10414	.150	1588.0	.84	-9.94	.0300	.0482	.0199	.0122	-.0223	.1913
10415	.150	1583.1	.76	-4.86	.0288	.0548	.0217	.0099	-.0112	.1010
10416	.151	1589.9	-.03	-.00	.0146	.0325	.0182	.0048	-.0024	.0470
10417	.151	1590.4	1.11	5.05	.1334	.0619	-.0042	.0072	.0087	-.0767
10418	.150	1579.9	1.40	9.91	.1575	.0581	-.0156	.0053	.0199	-.1668
10419	.151	1590.8	-.03	-.01	.0155	.0324	.0168	.0044	-.0026	.0462

TEST	23		RUN 155							
TP	MACH	Q	ALPHA	BETA	CNF(BA)	CAF(BA)	CPM(BA)	CRM(BA)	CYM(BA)	CSF(BA)
		PA	DEG	DEG						
10413	.151	1590.8	-.02	-.00	.0157	.0329	.0165	.0048	-.0023	.0427
10414	.150	1588.0	.84	-9.94	.0307	.0477	.0199	.0125	-.0222	.1913
10415	.150	1583.1	.76	-4.86	.0295	.0544	.0217	.0100	-.0110	.1010
10416	.151	1589.9	-.03	-.00	.0146	.0326	.0182	.0048	-.0024	.0470
10417	.151	1590.4	1.11	5.05	.1346	.0593	-.0042	.0070	.0088	-.0767
10418	.150	1579.9	1.40	9.91	.1589	.0542	-.0156	.0048	.0200	-.1668
10419	.151	1590.3	-.03	-.01	.0155	.0324	.0168	.0044	-.0026	.0462

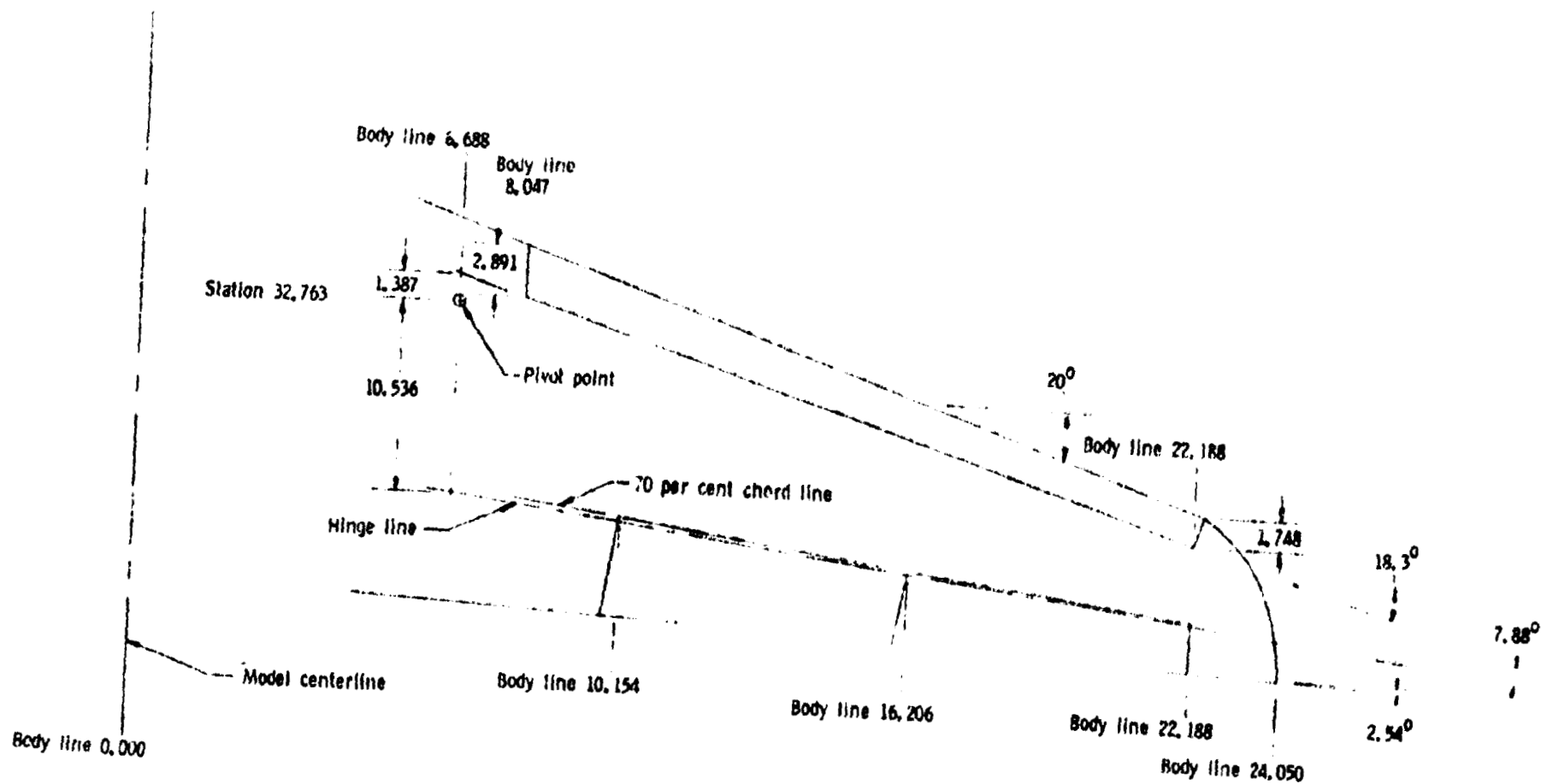


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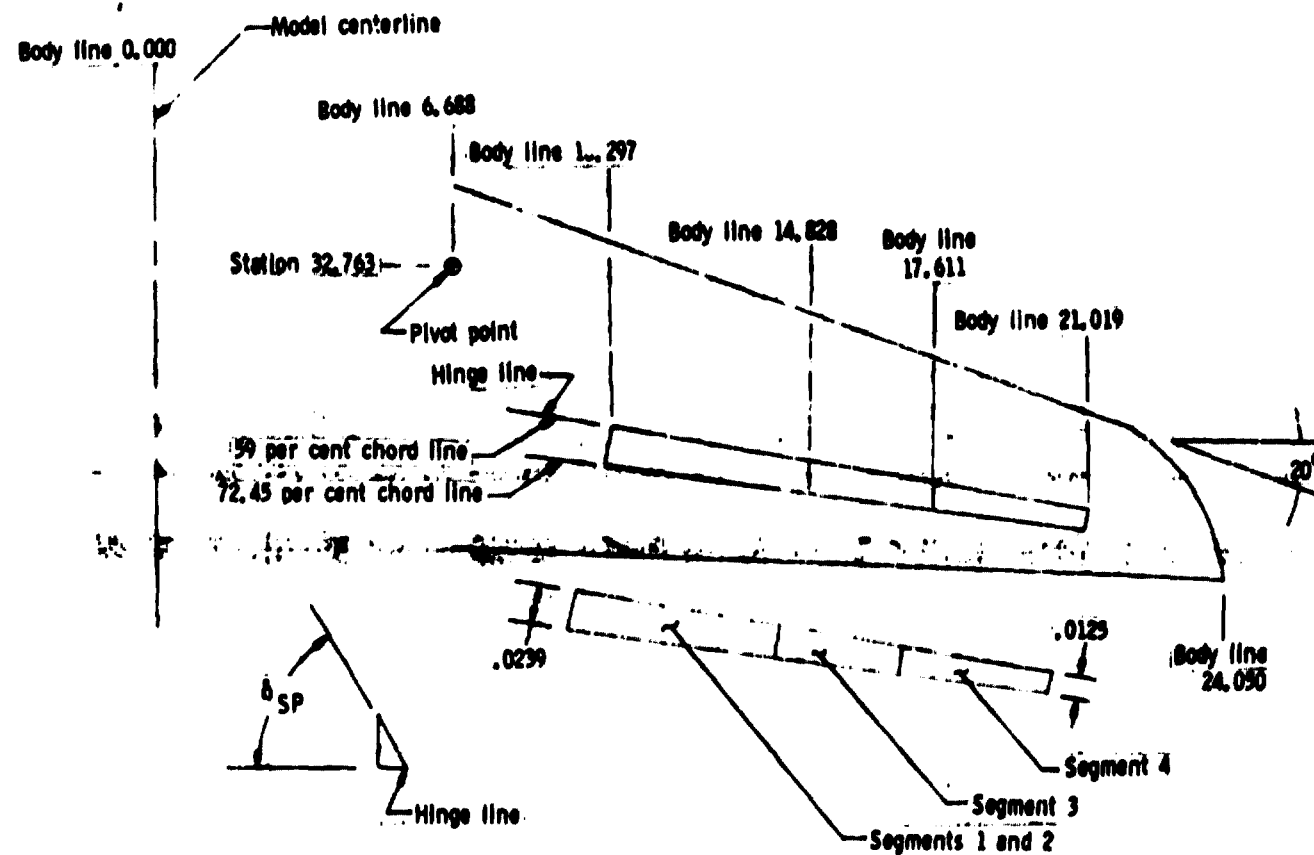
(a) General arrangement. The wing is shown in the reference sweep position.
Figure 1. Drawings of the model tested. All dimensions are in centimeters.



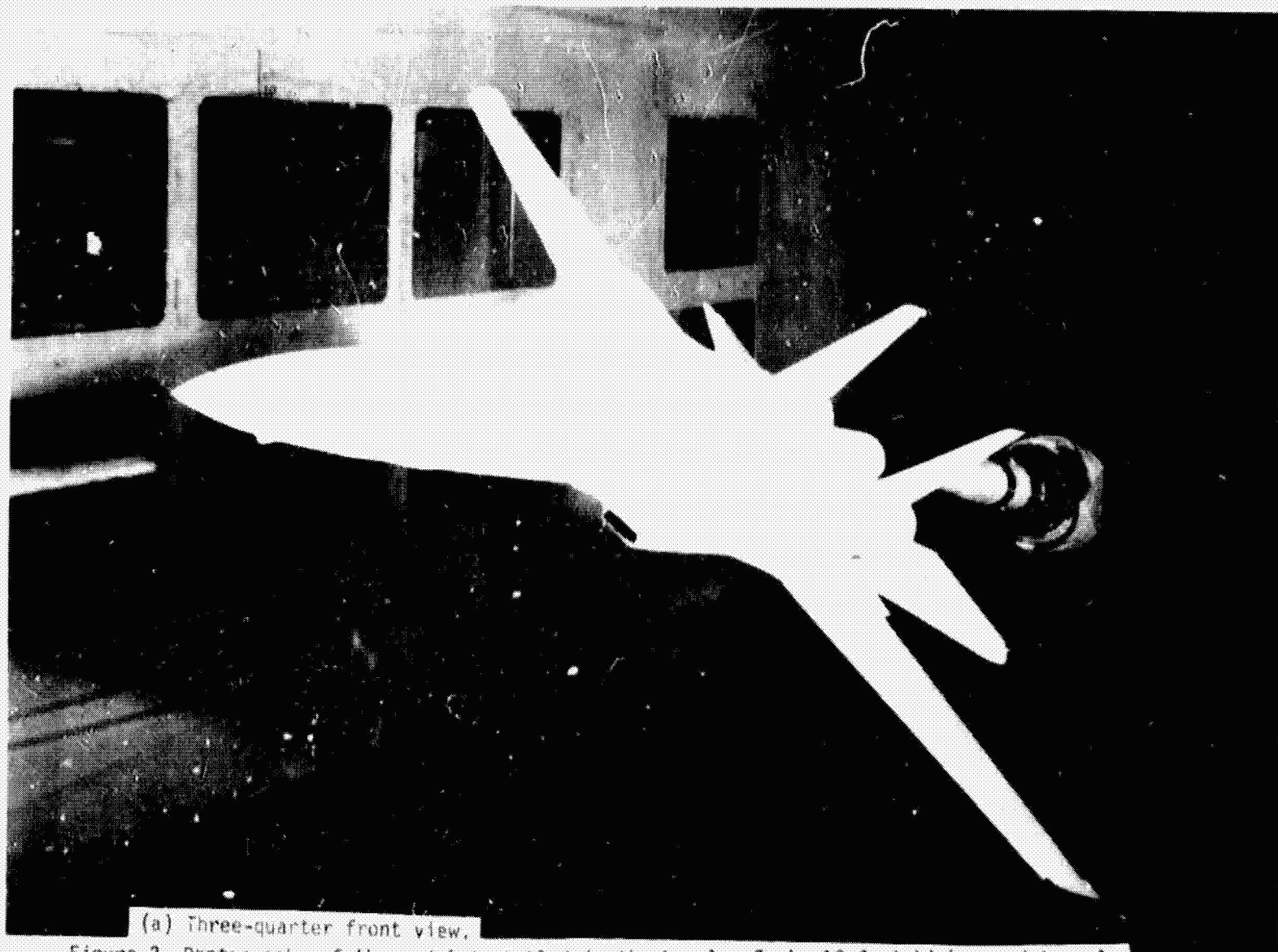
(b) Typical streamwise airfoil section on outboard wing panel.
Figure 1. Continued.



(c) Details of the slat and flap.
Figure 1. Continued.



(d) Details of the spoilers. The spoilers tested had deflection angles of 5° and 55° .
 Figure 1. Concluded.

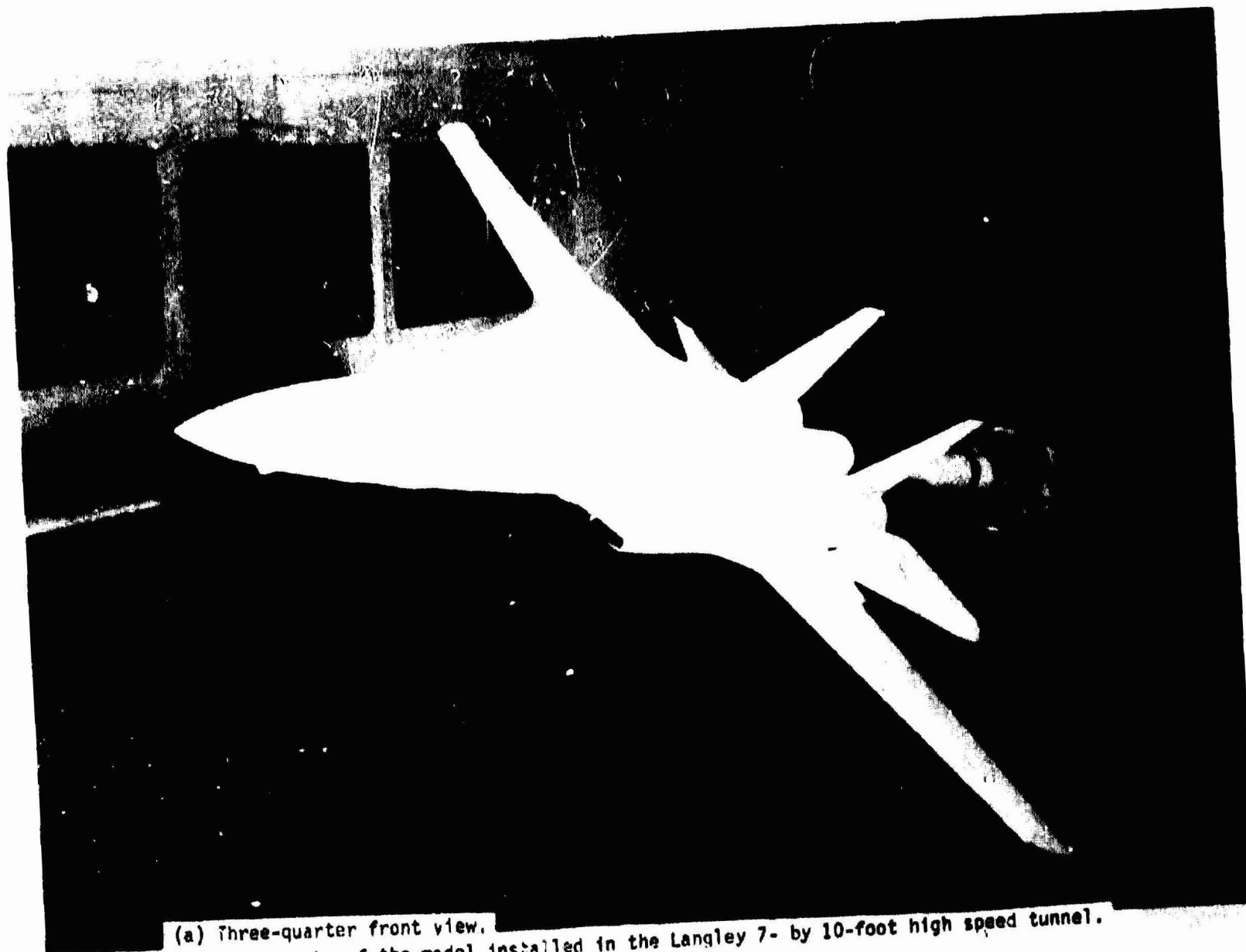


(a) Three-quarter front view.

Figure 2. Photographs of the model installed in the Langley 7- by 10-foot high speed tunnel.

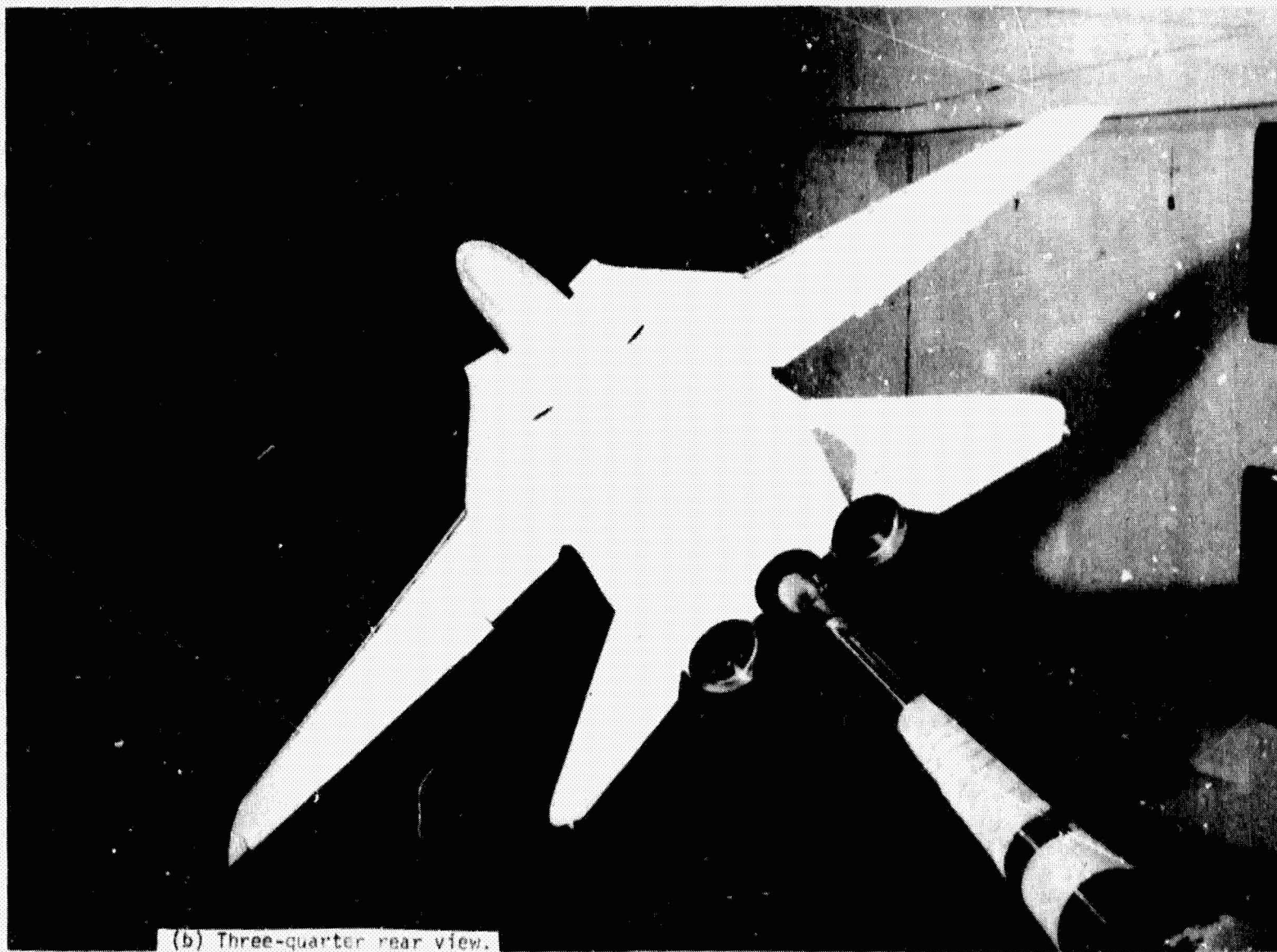
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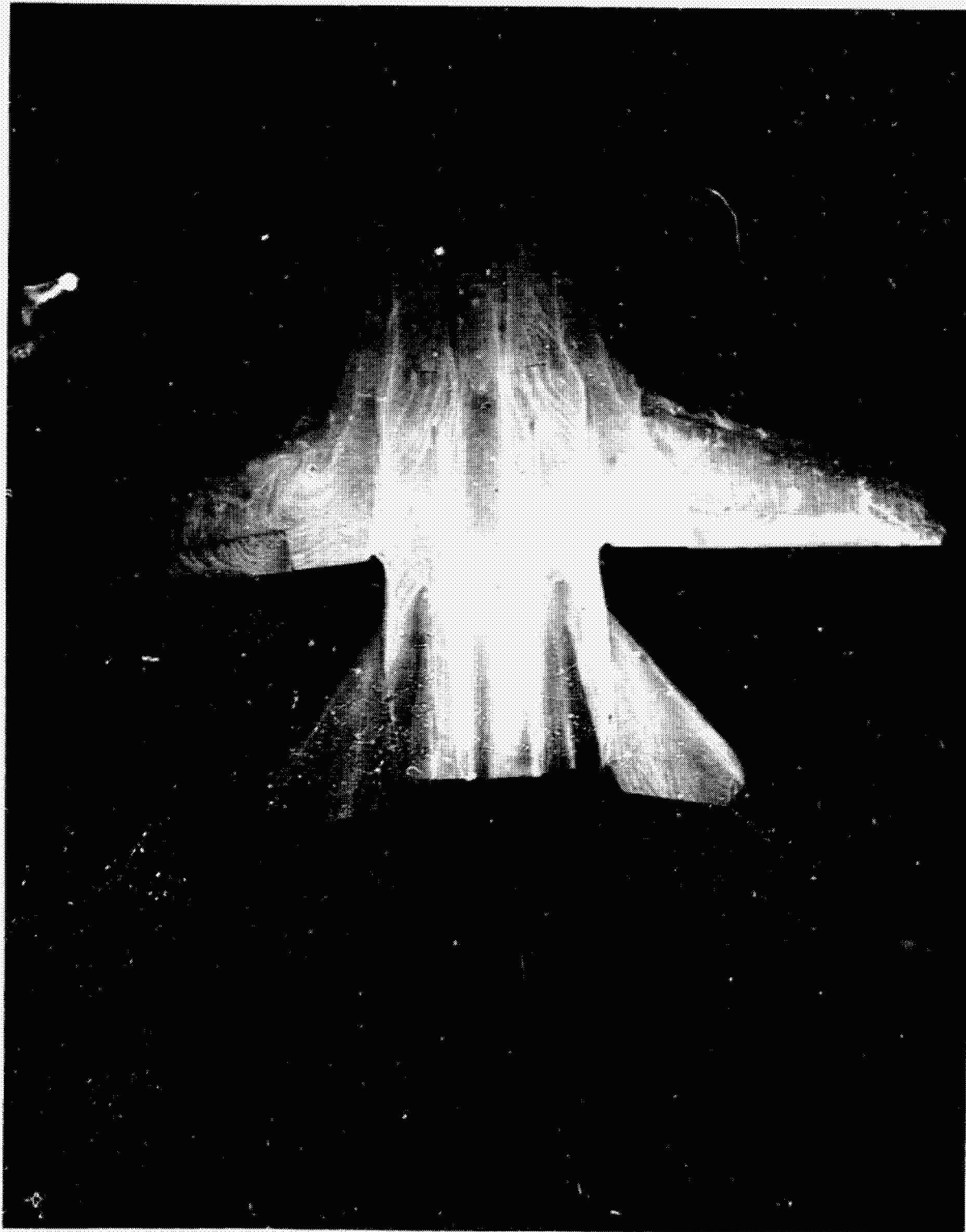
(a) Three-quarter front view.

Figure 2. Photographs of the model installed in the Langley 7- by 10-foot high speed tunnel.



(b) Three-quarter rear view.

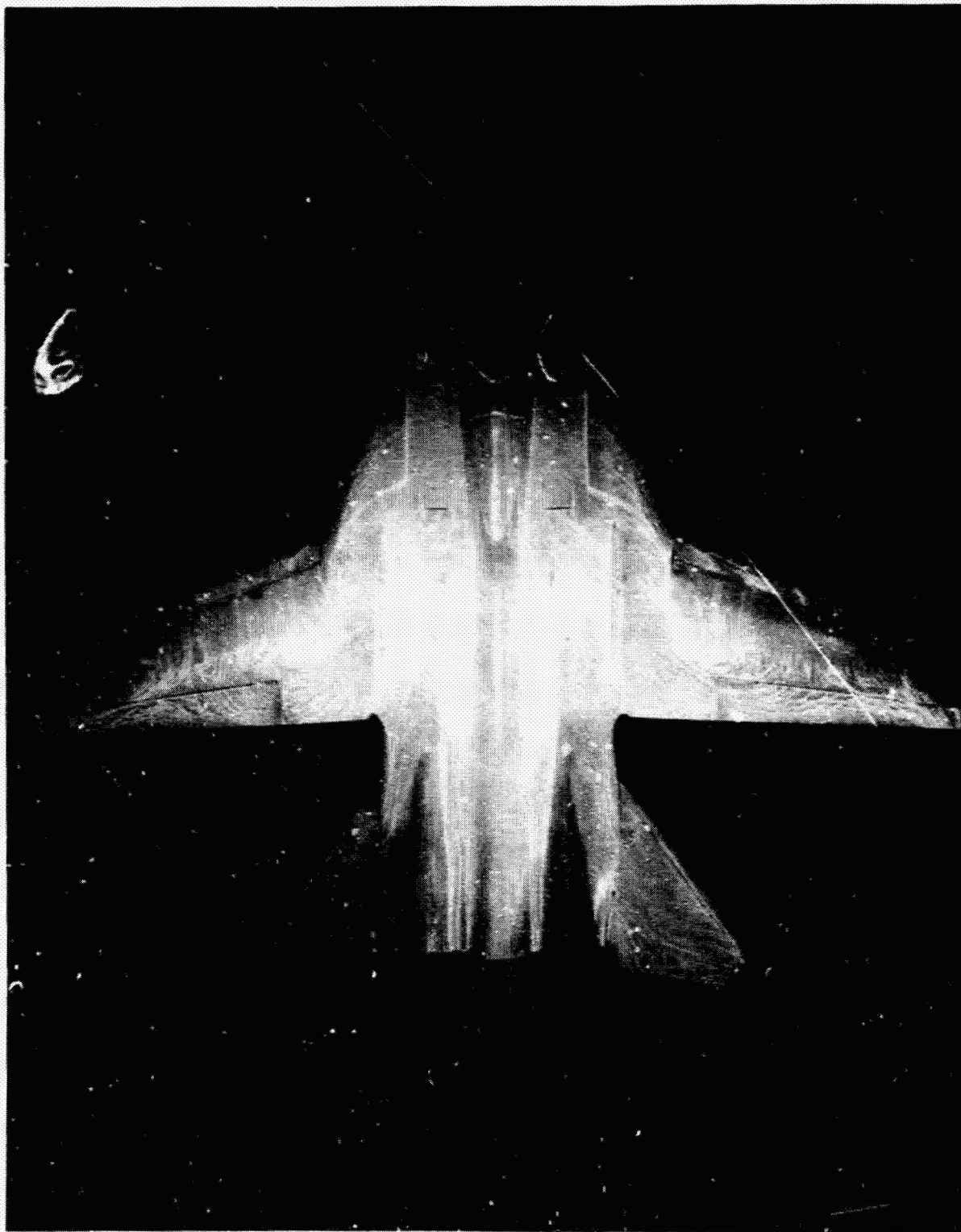
Figure 2. Concluded.



(a) $\alpha = 15^\circ$, $\beta = 0^\circ$.

Figure 3. Surface oil flow photographs. $M = 0.15$.

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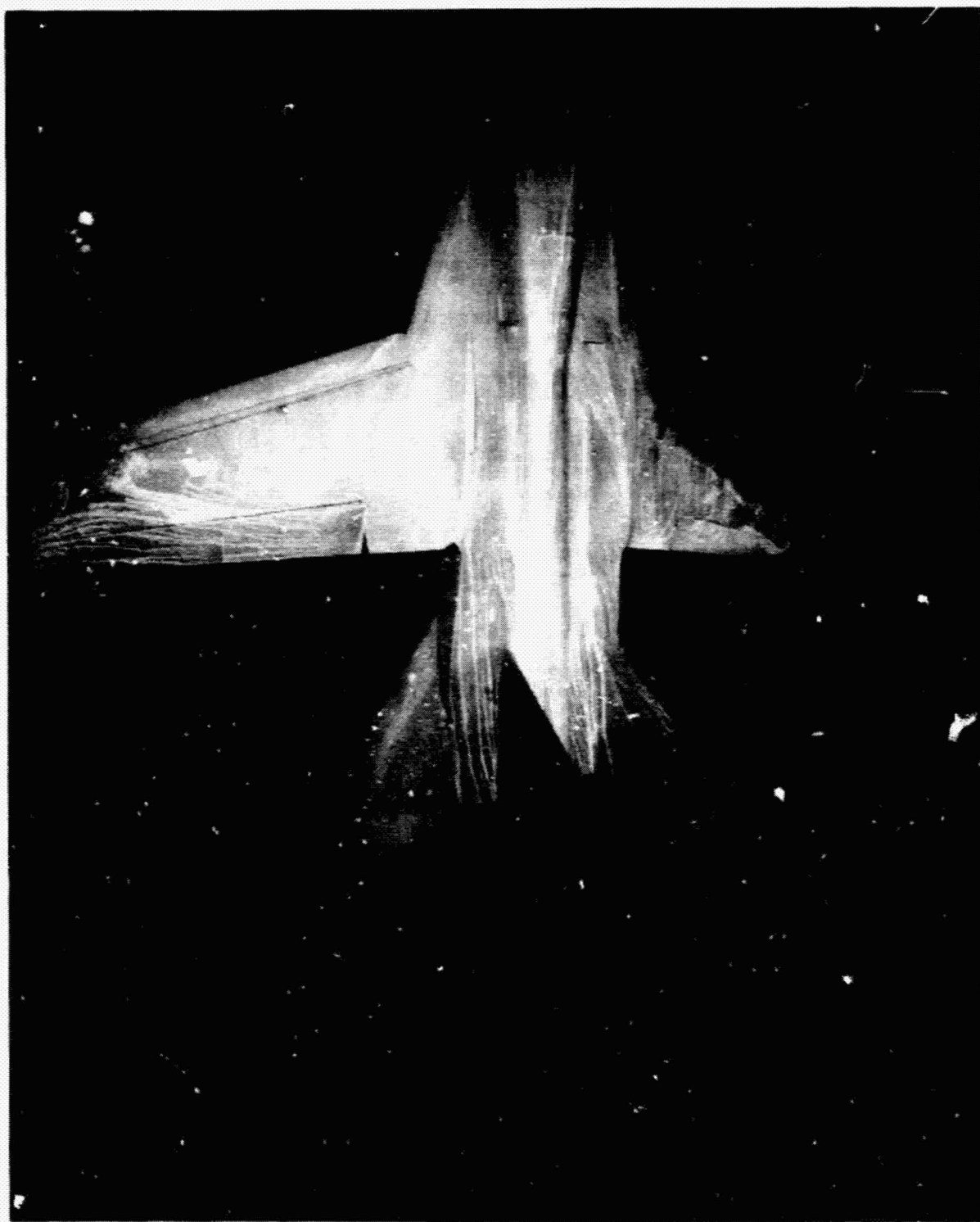


(b) $\alpha = 25^\circ$, $\beta = 0^\circ$.
Figure 3. Continued.

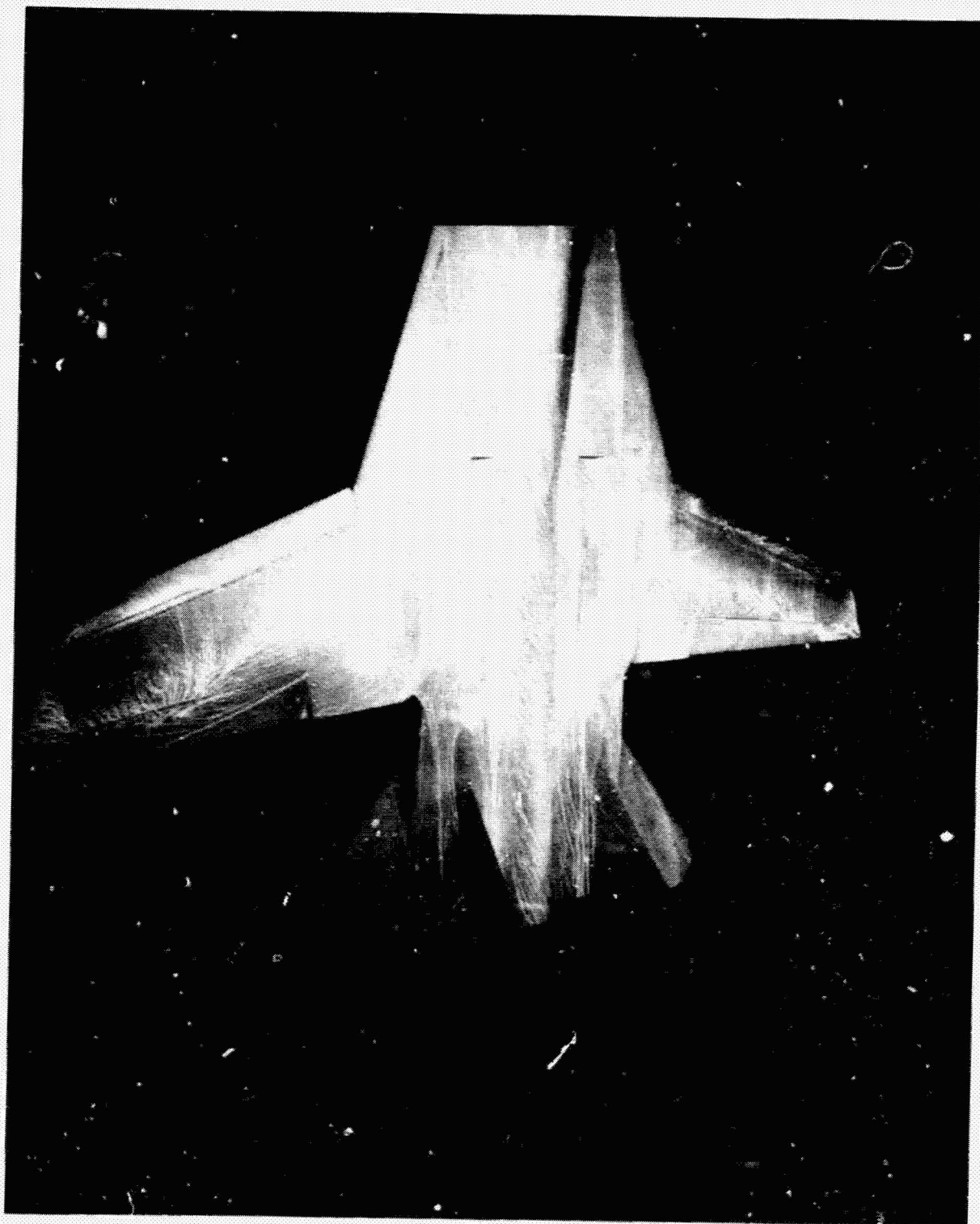


(c) $\alpha = 35^\circ$, $\beta = 0^\circ$.
Figure 3. Continued.

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(d) $\alpha = 20^\circ$, $\beta = 20^\circ$.
Figure 3. Continued.



(e) $\alpha = 30^\circ$, $\beta = 20^\circ$.
Figure 3. Continued.

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(f) $\alpha = 40^\circ$, $\delta = 20^\circ$.
Figure 3. Continued.



(g) $\alpha = 48^\circ$, $\beta = 20^\circ$.

Figure 3. Concluded.

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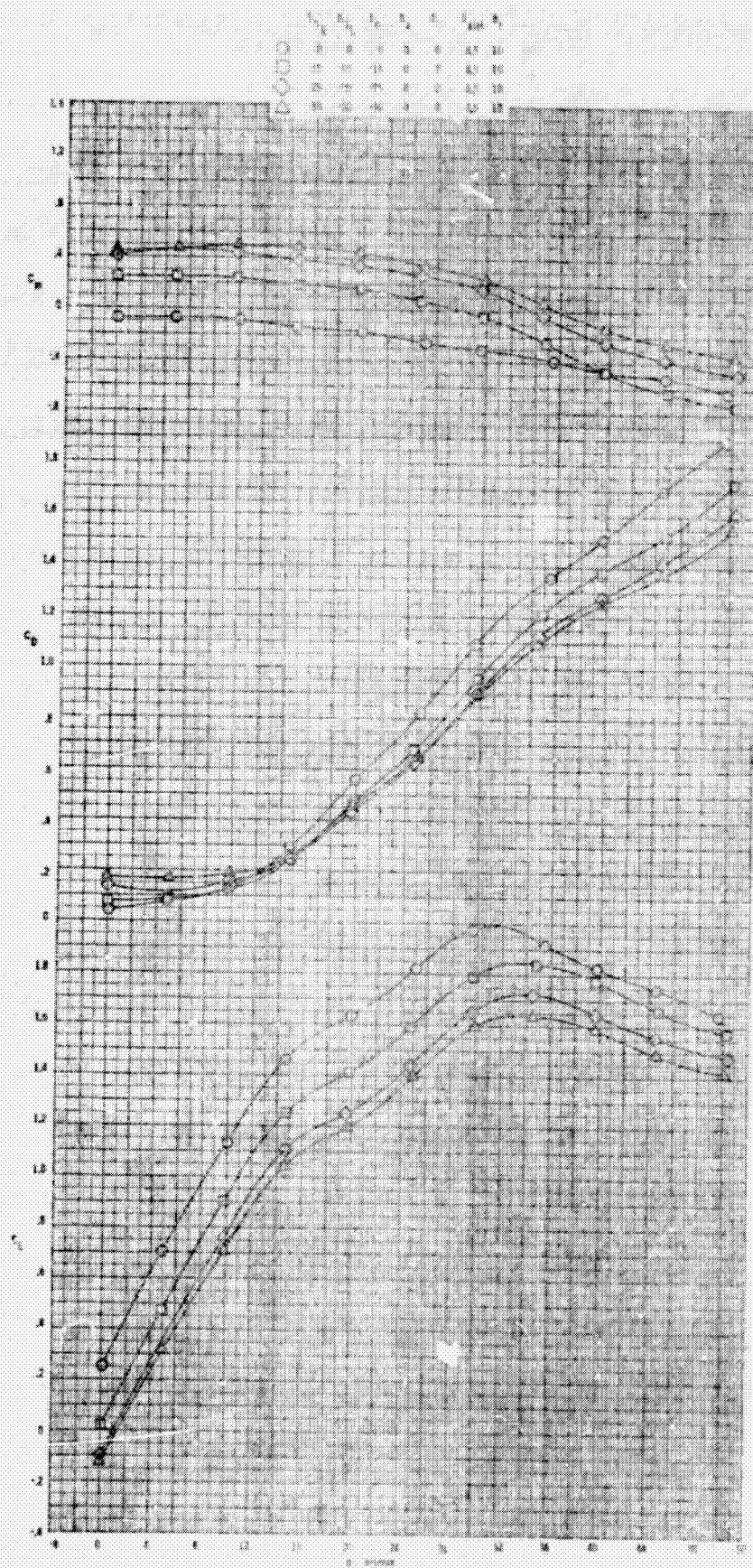


Figure 1. The effect of width control.

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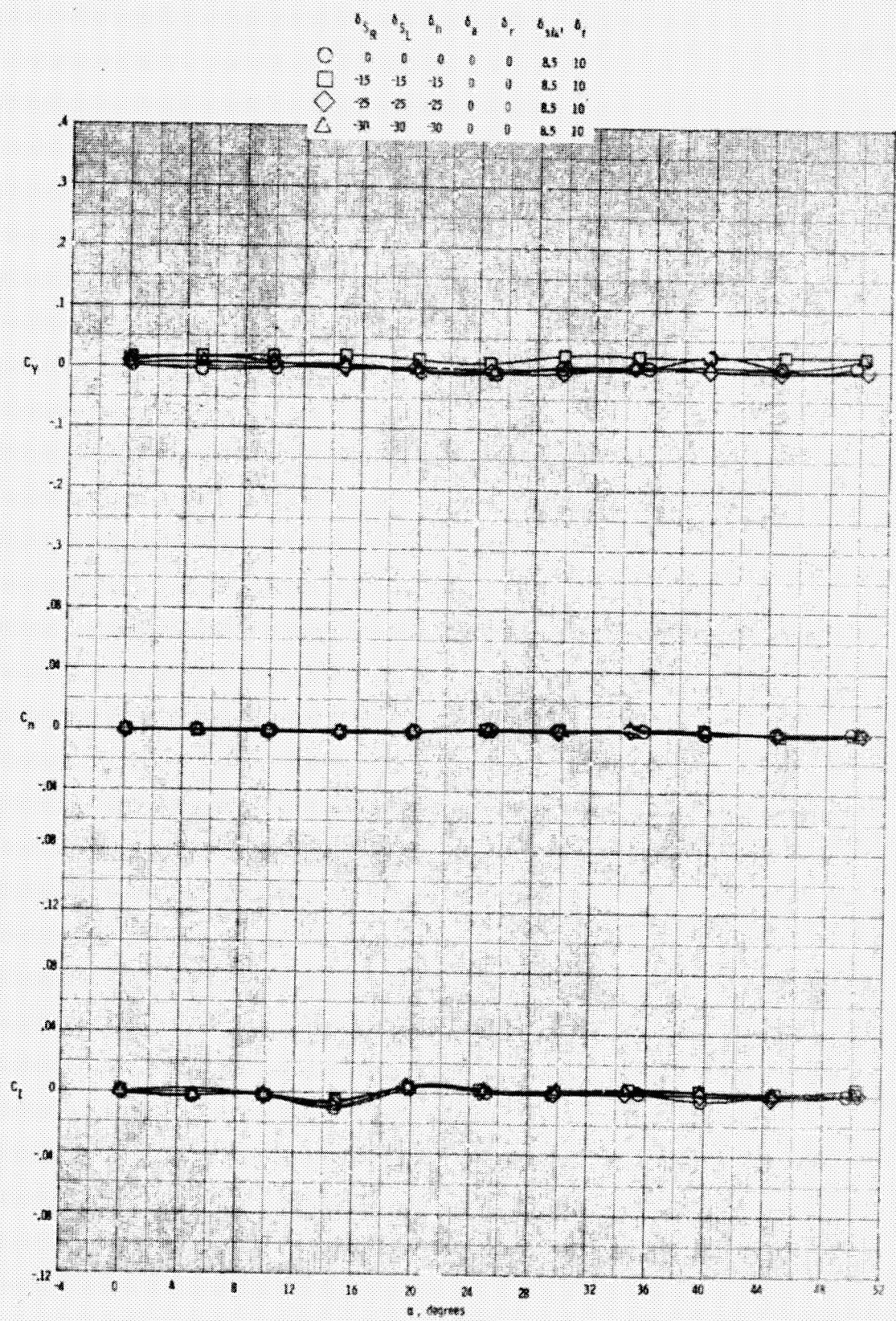


Figure 4. Concluded.

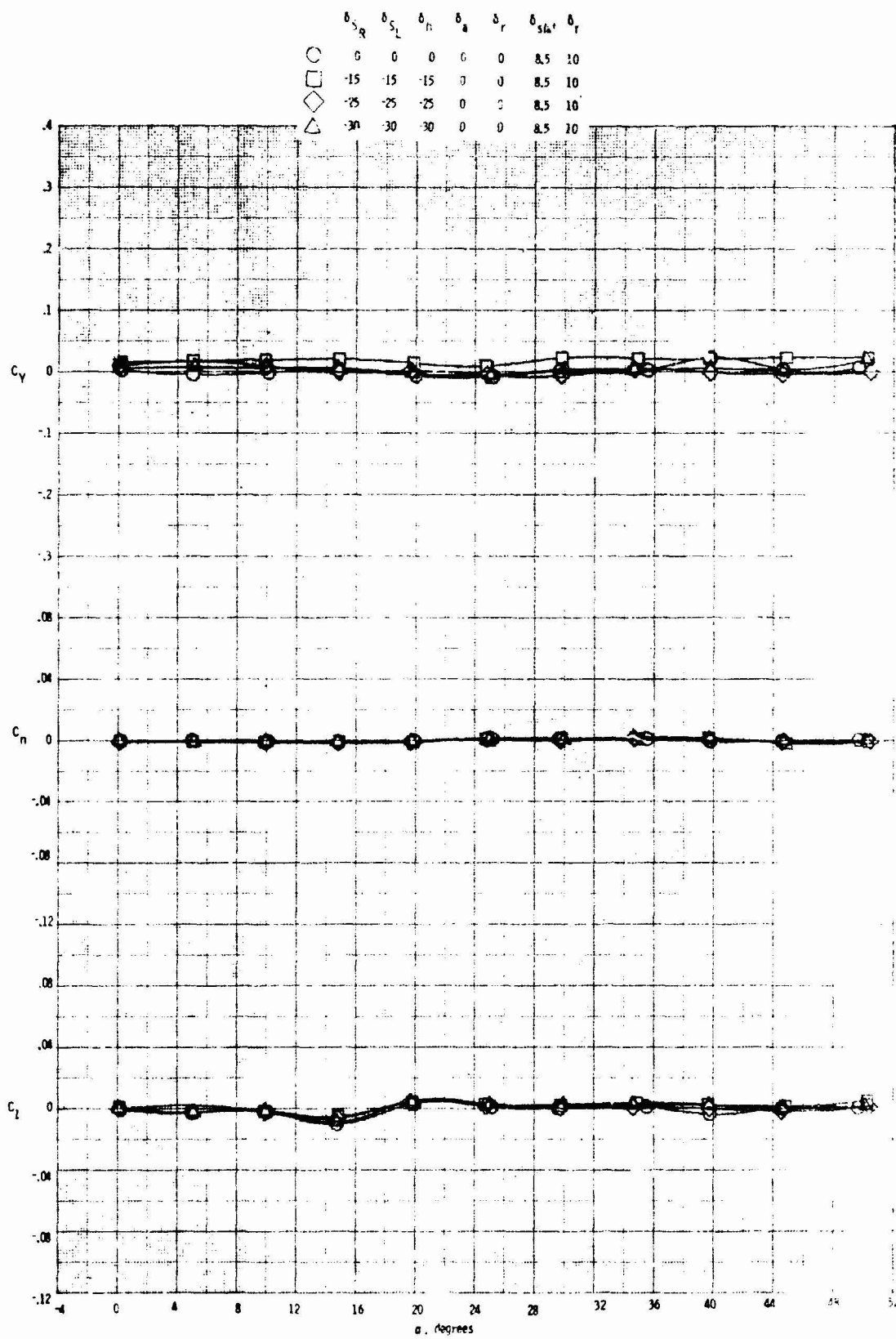


Figure 4. Concluded.

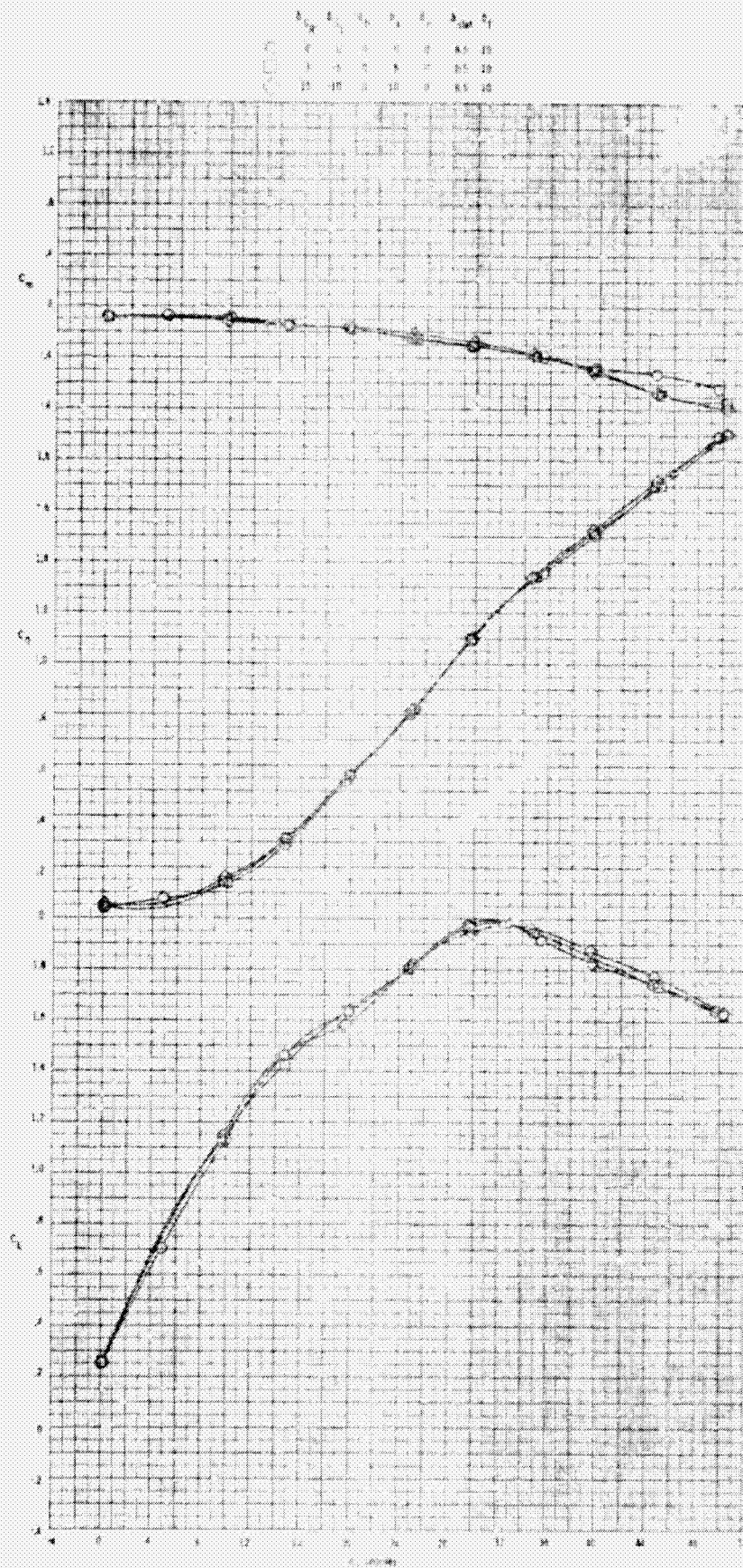


Figure 3. The effect of HCl control.

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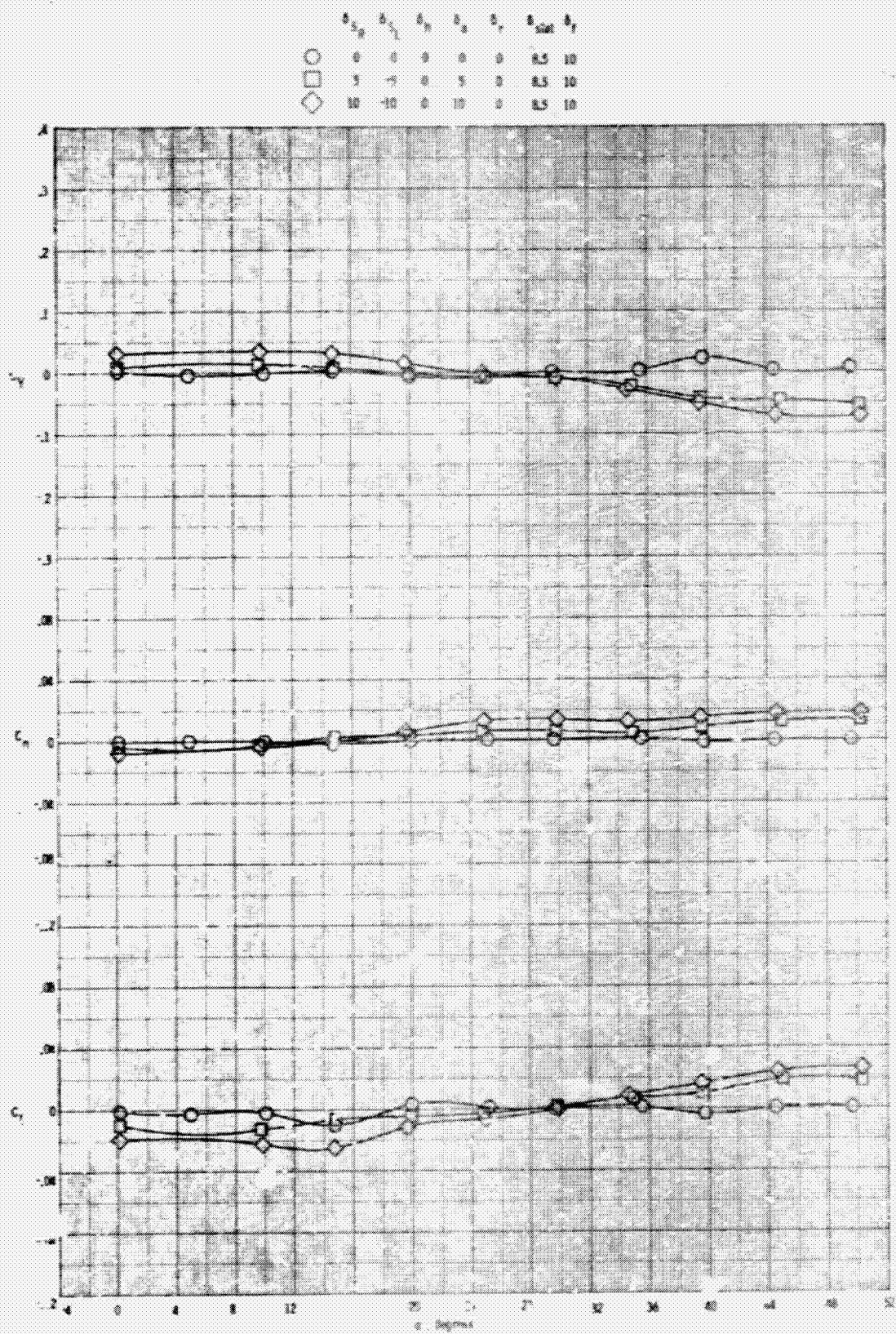


Figure 5. Concluded.

$\frac{V_0}{V_1}$	$\frac{V_0}{V_1}$	$\frac{V_0}{V_1}$	$\frac{V_0}{V_1}$	$\frac{V_0}{V_1}$	$\frac{V_0}{V_1}$	$\frac{V_0}{V_1}$	$\frac{V_0}{V_1}$
0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8
0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8
0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8

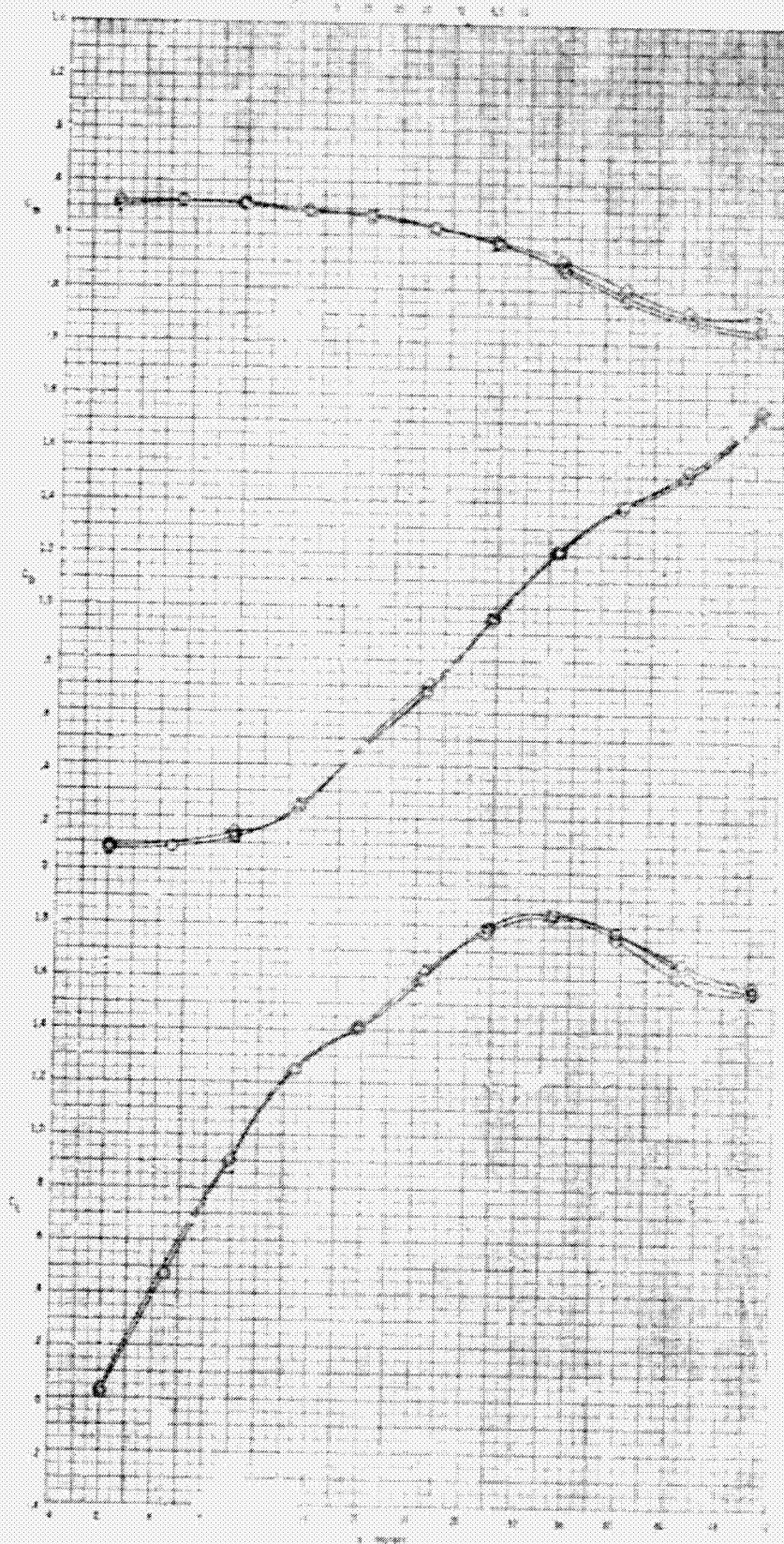


Figure 6. The effect of micro-control.

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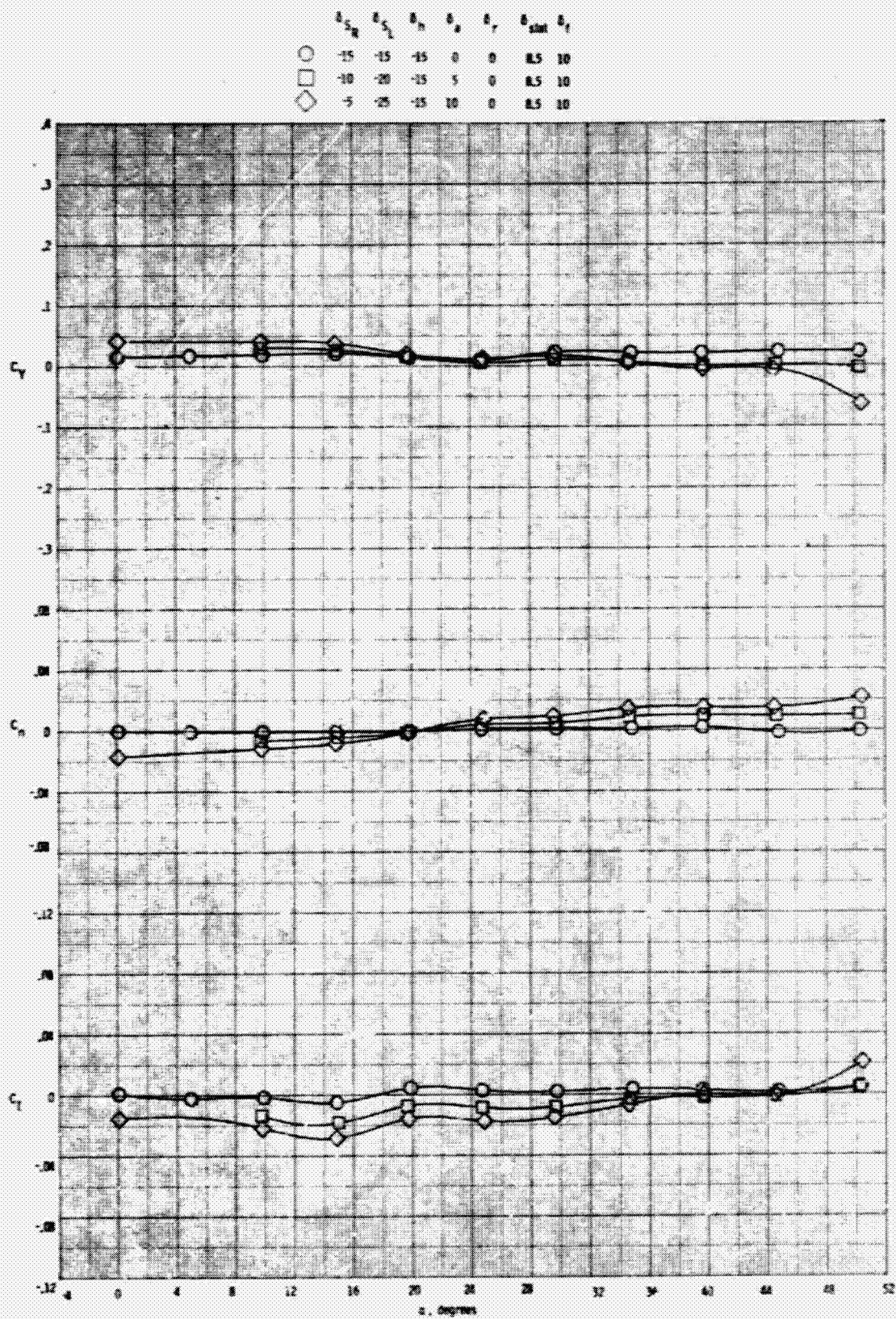


Figure 6. Concluded.

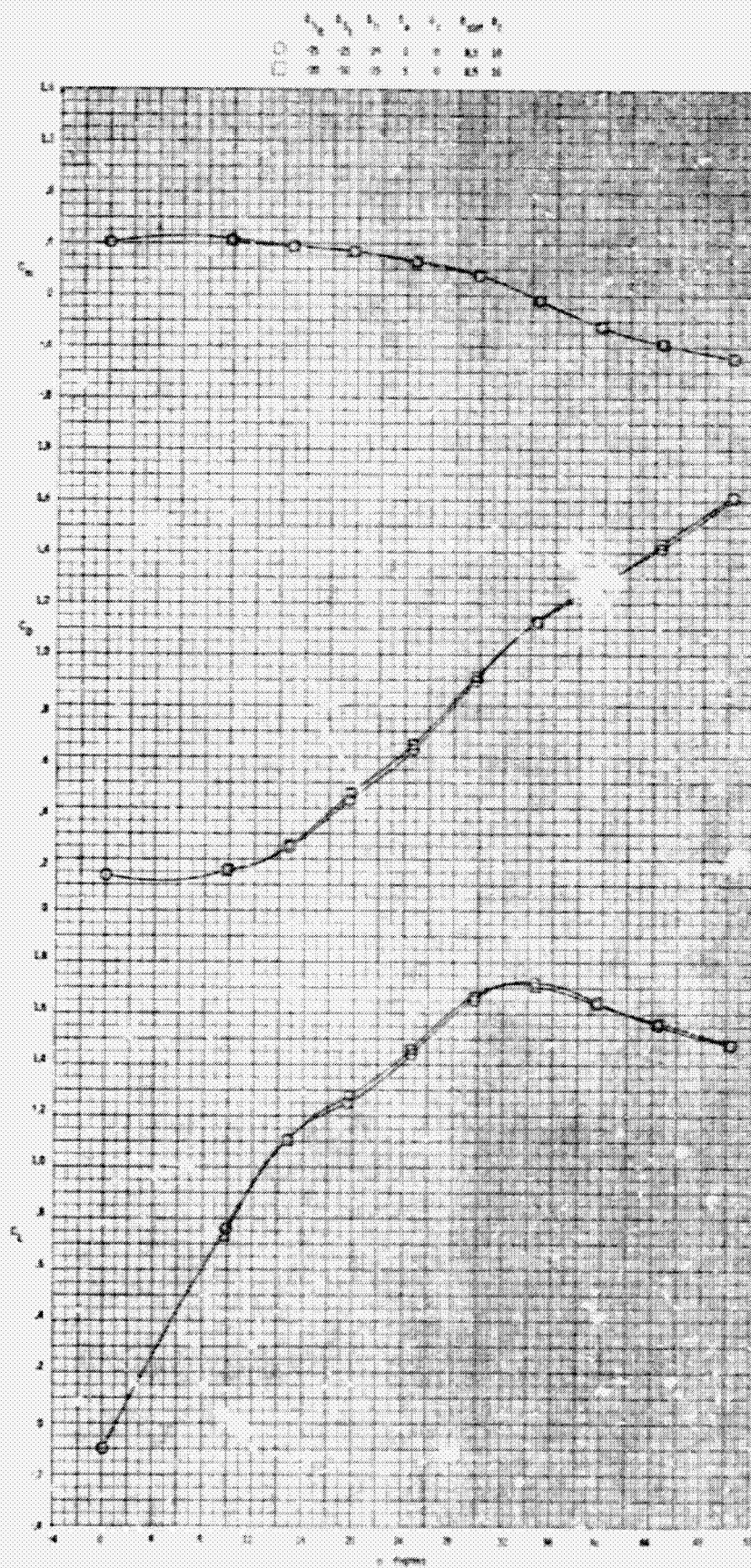


Figure 1. The effect of mill control.

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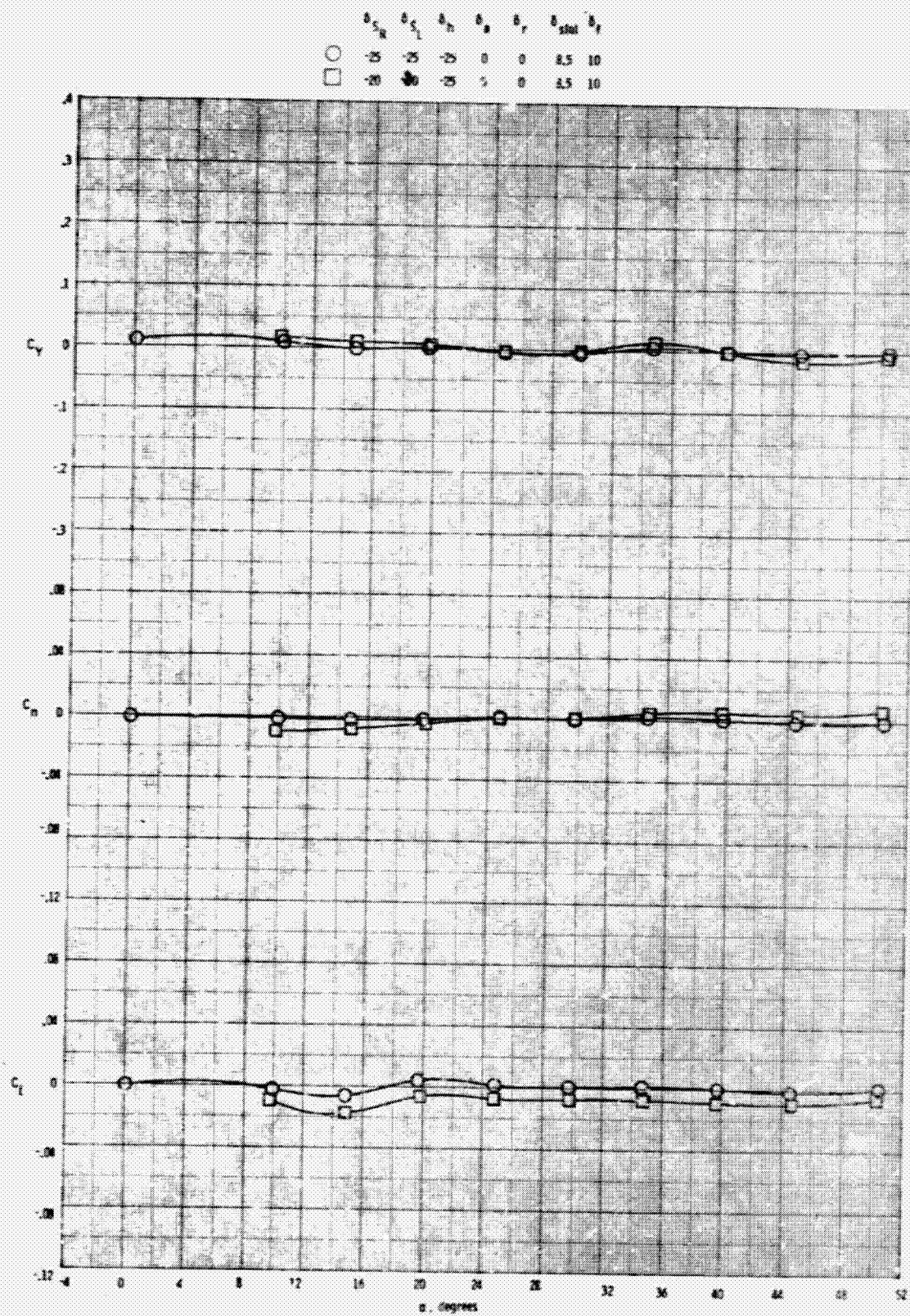


Figure 7. Concluded.

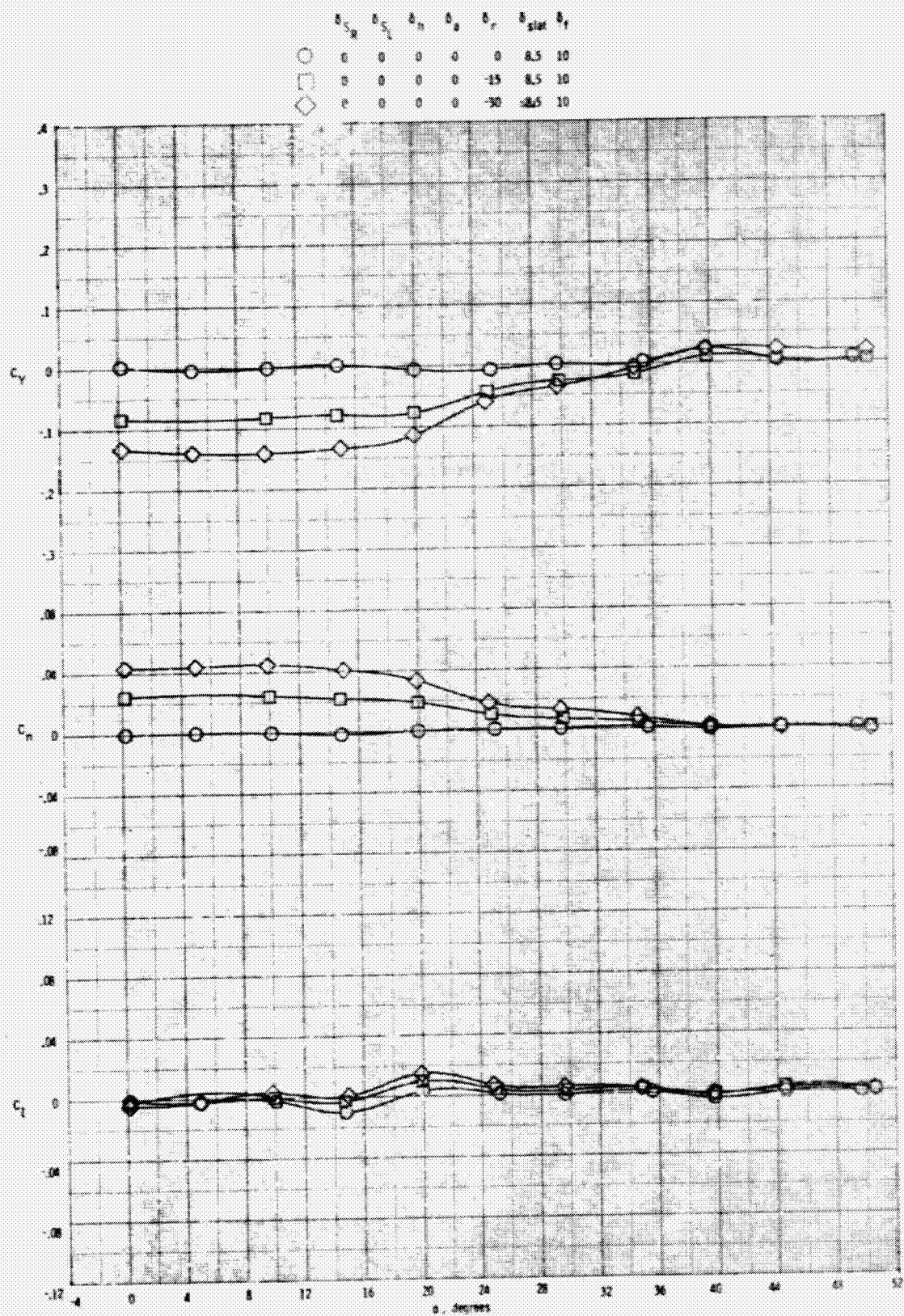


Figure 8. Concluded.

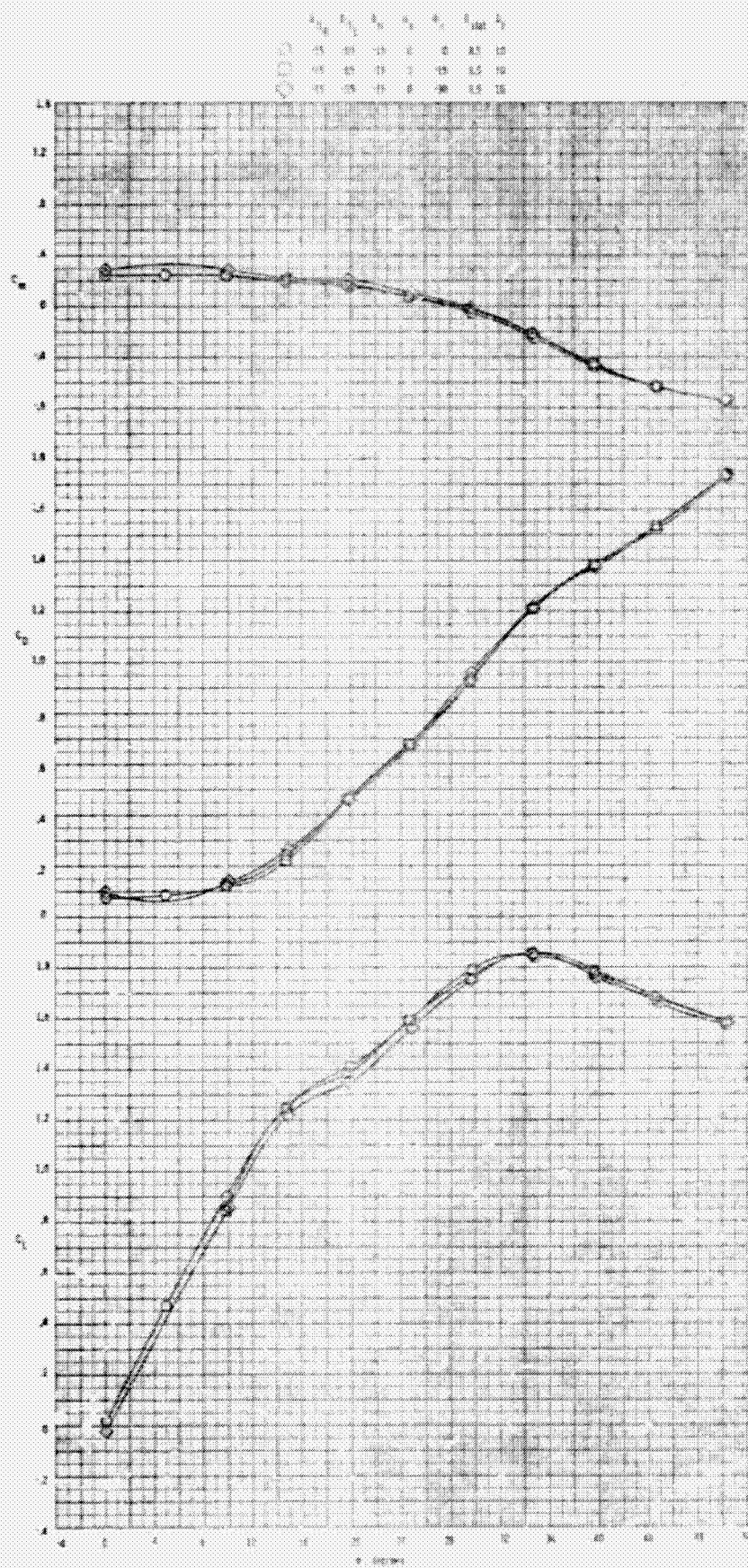
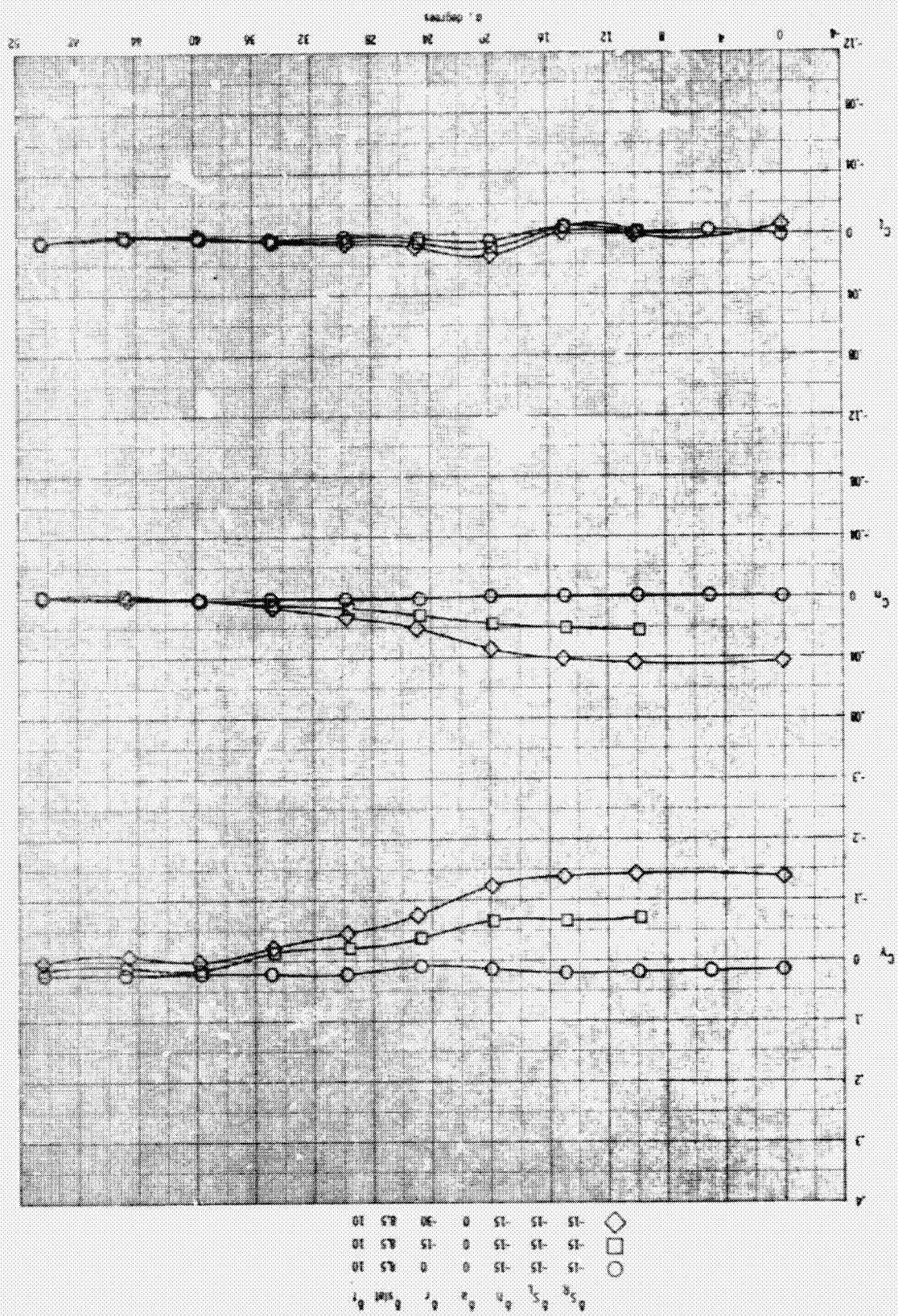


Figure 4. The effect of λ (197-95).

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Figure 4. Continued.



α	β	γ	δ	ϵ	ζ	η	θ
0	0	0	0	0	0	0	0
10	10	10	10	10	10	10	10
20	20	20	20	20	20	20	20
30	30	30	30	30	30	30	30
40	40	40	40	40	40	40	40
50	50	50	50	50	50	50	50
60	60	60	60	60	60	60	60
70	70	70	70	70	70	70	70
80	80	80	80	80	80	80	80
90	90	90	90	90	90	90	90

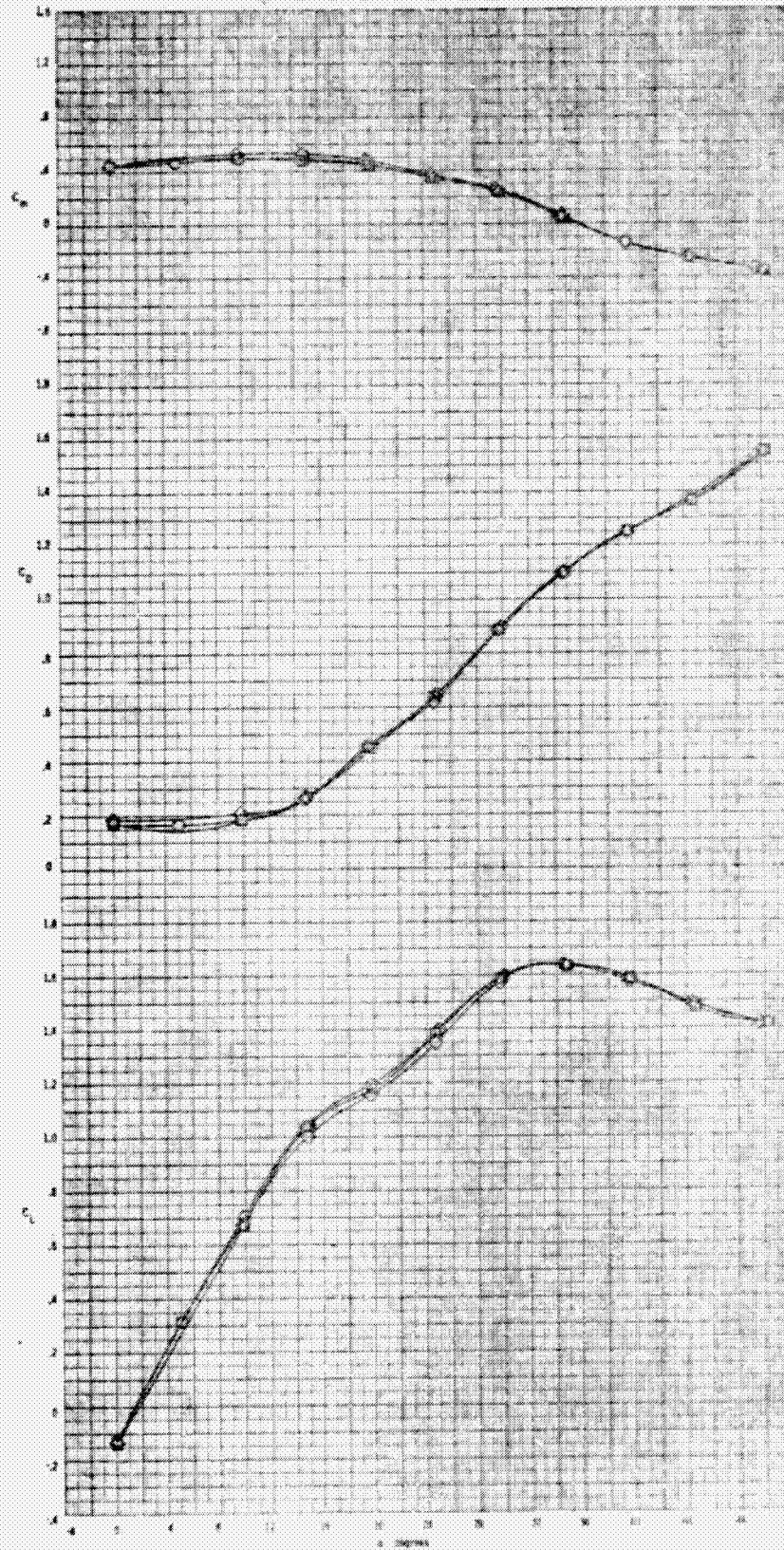
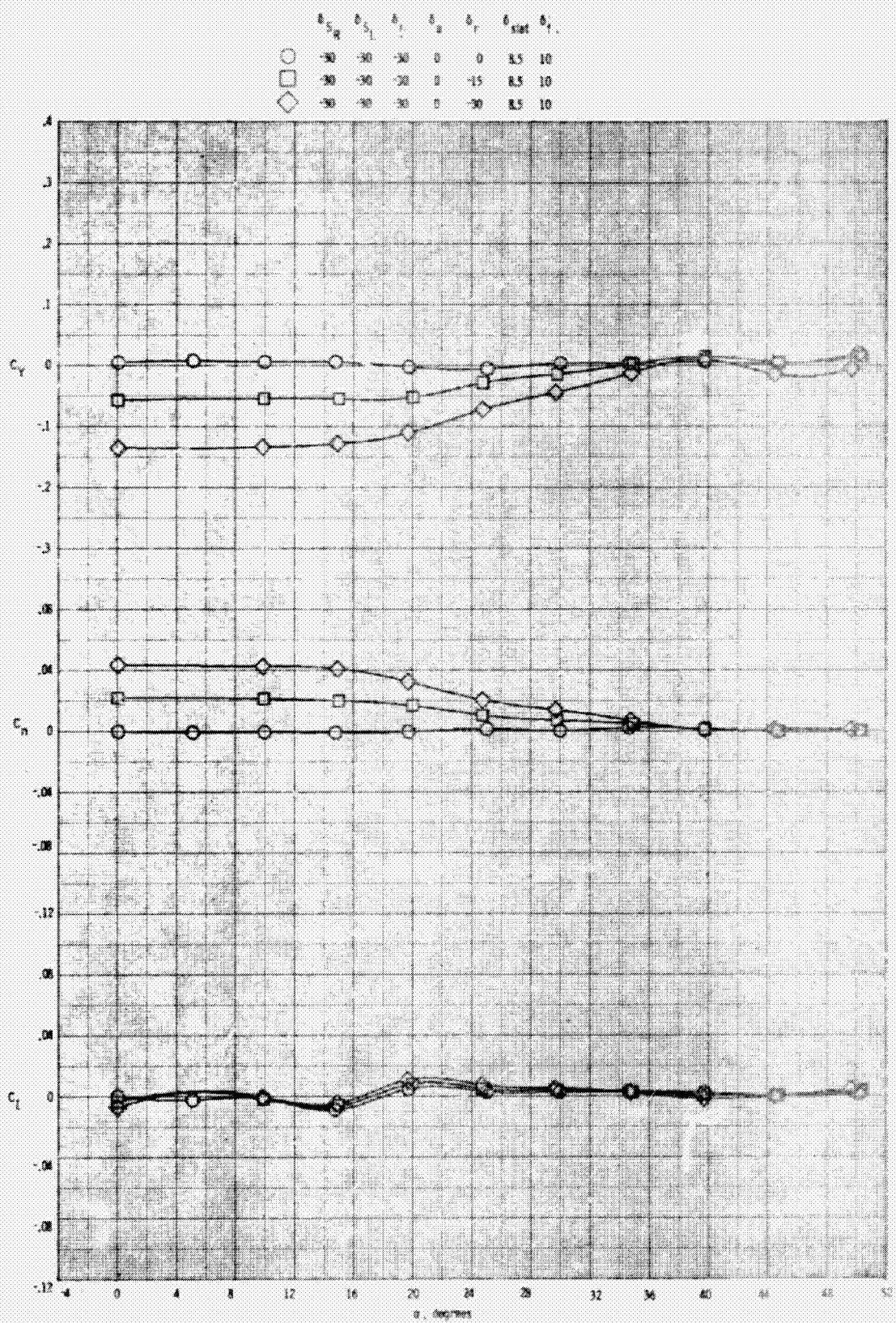


Figure 10. The effect of yaw angle.

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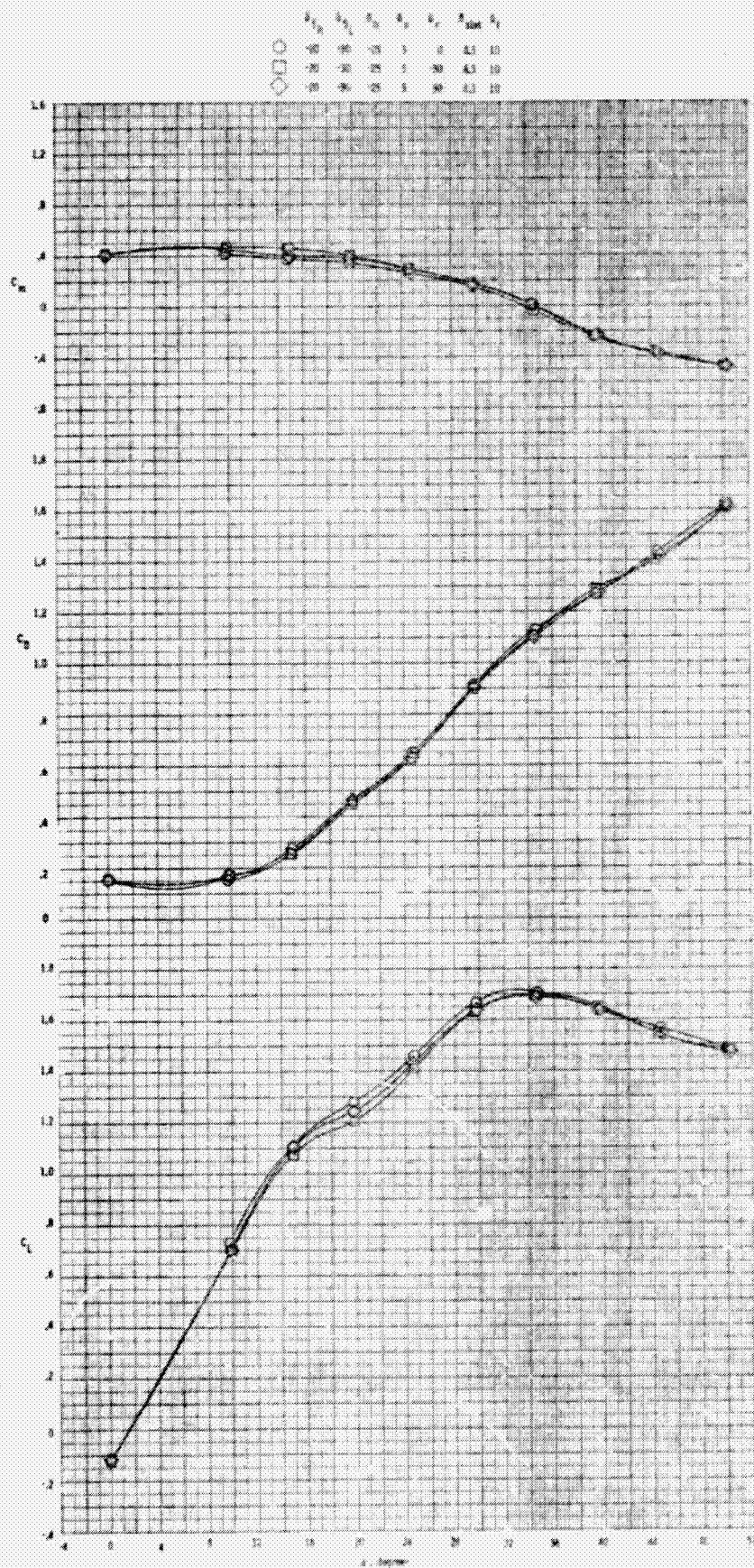


Figure 11. The effect of yaw control.

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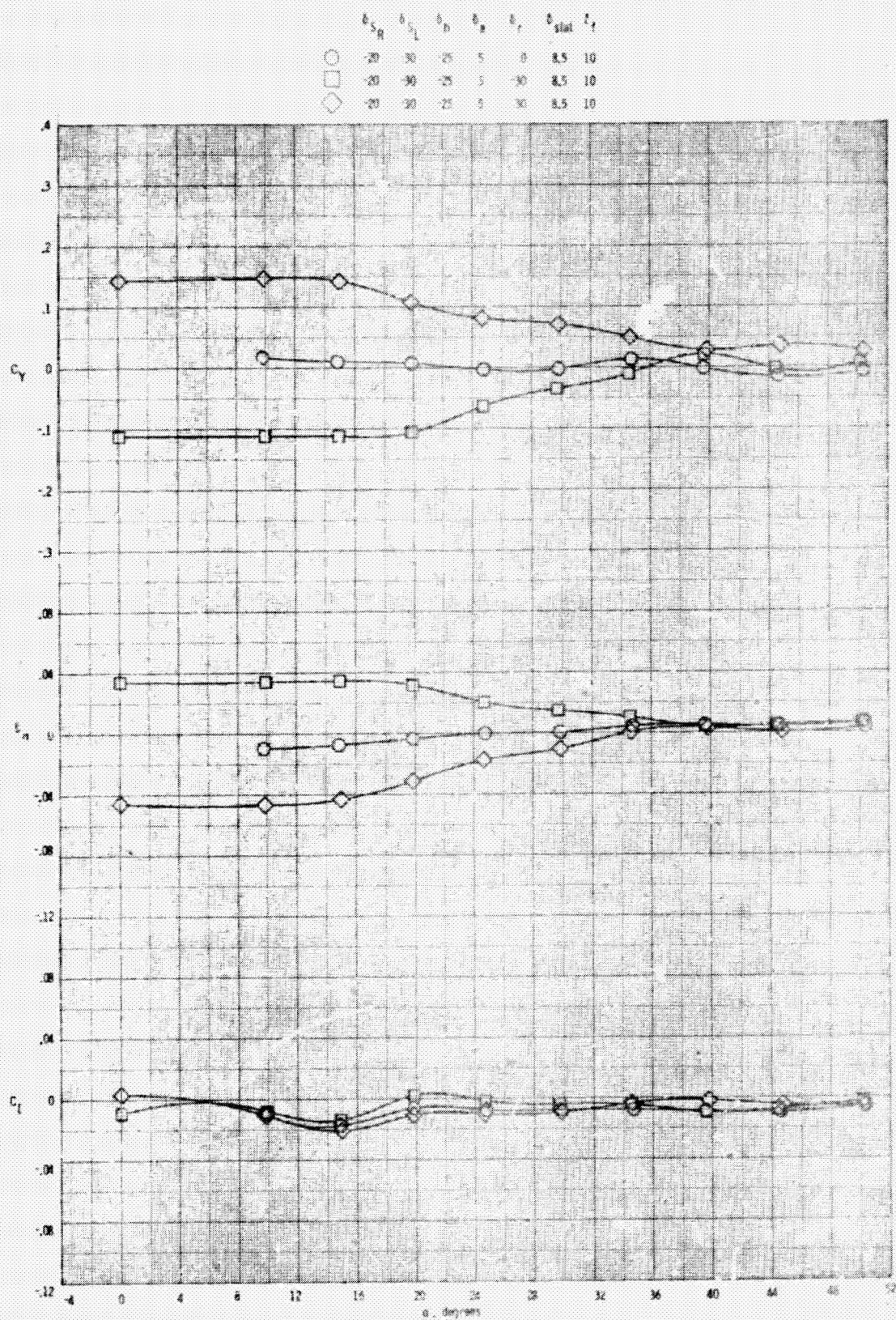
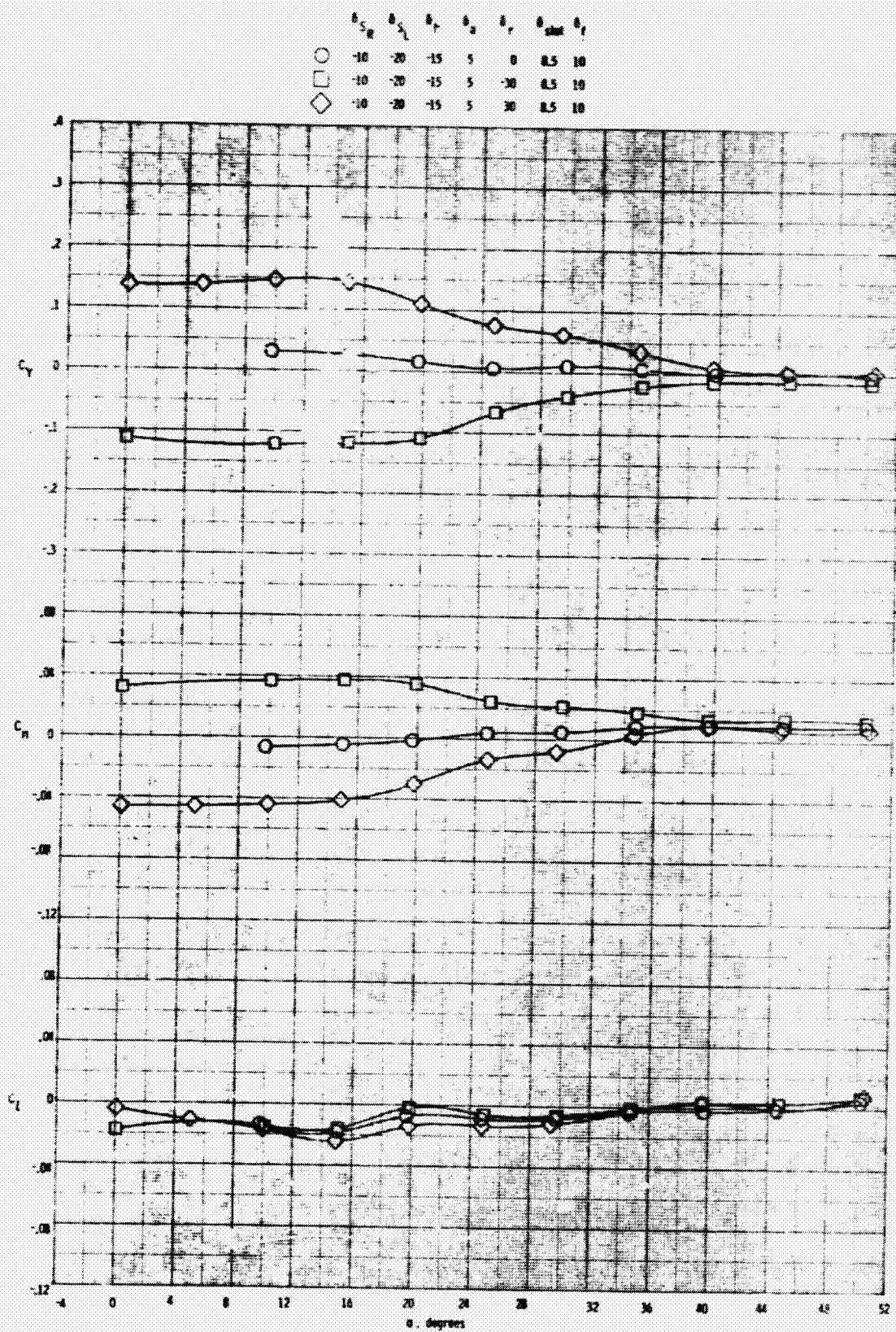


Figure 11. Continued.



Figure 12. The effect of yaw control.

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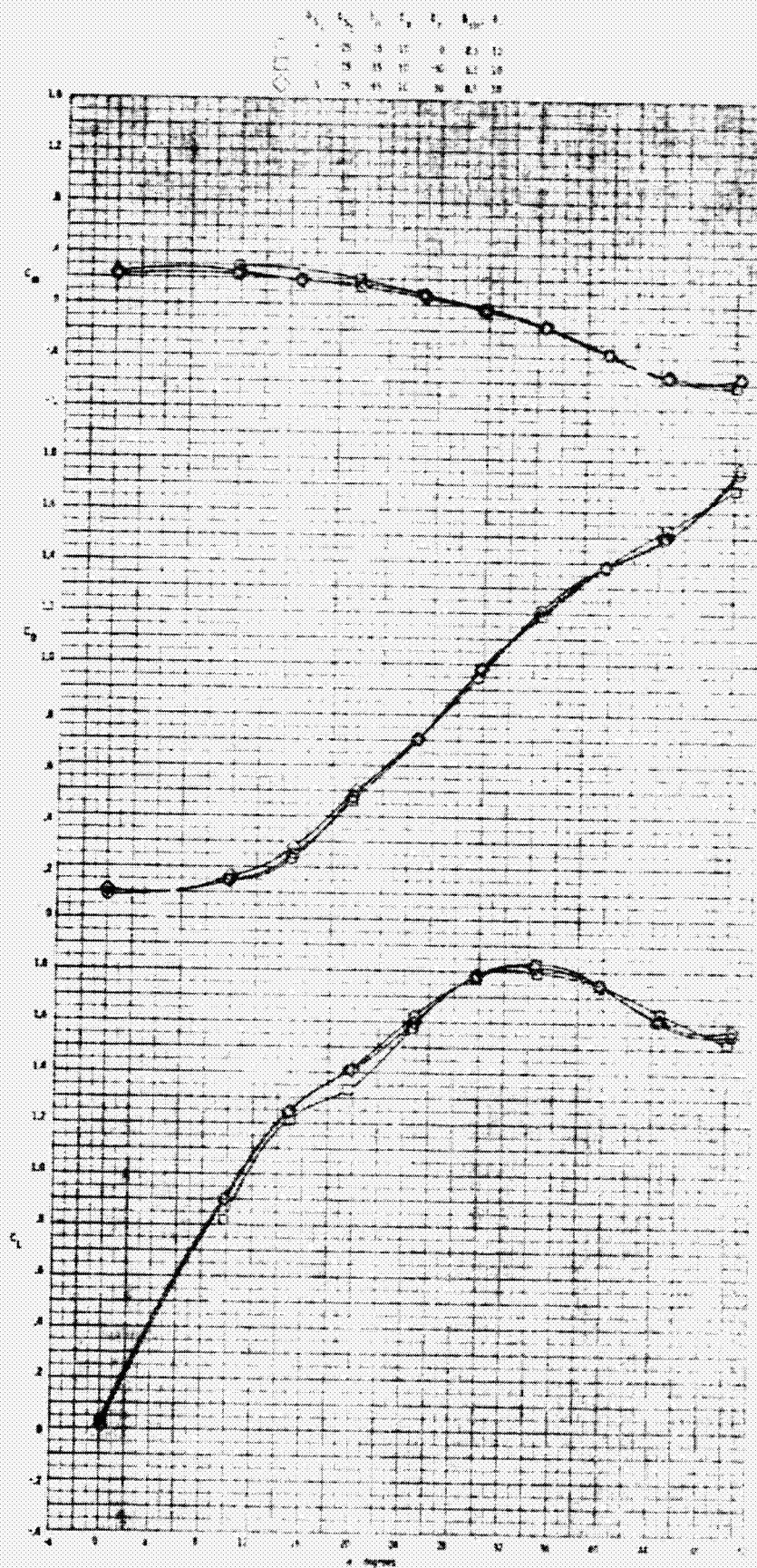


Figure 11. The effect of eye control.

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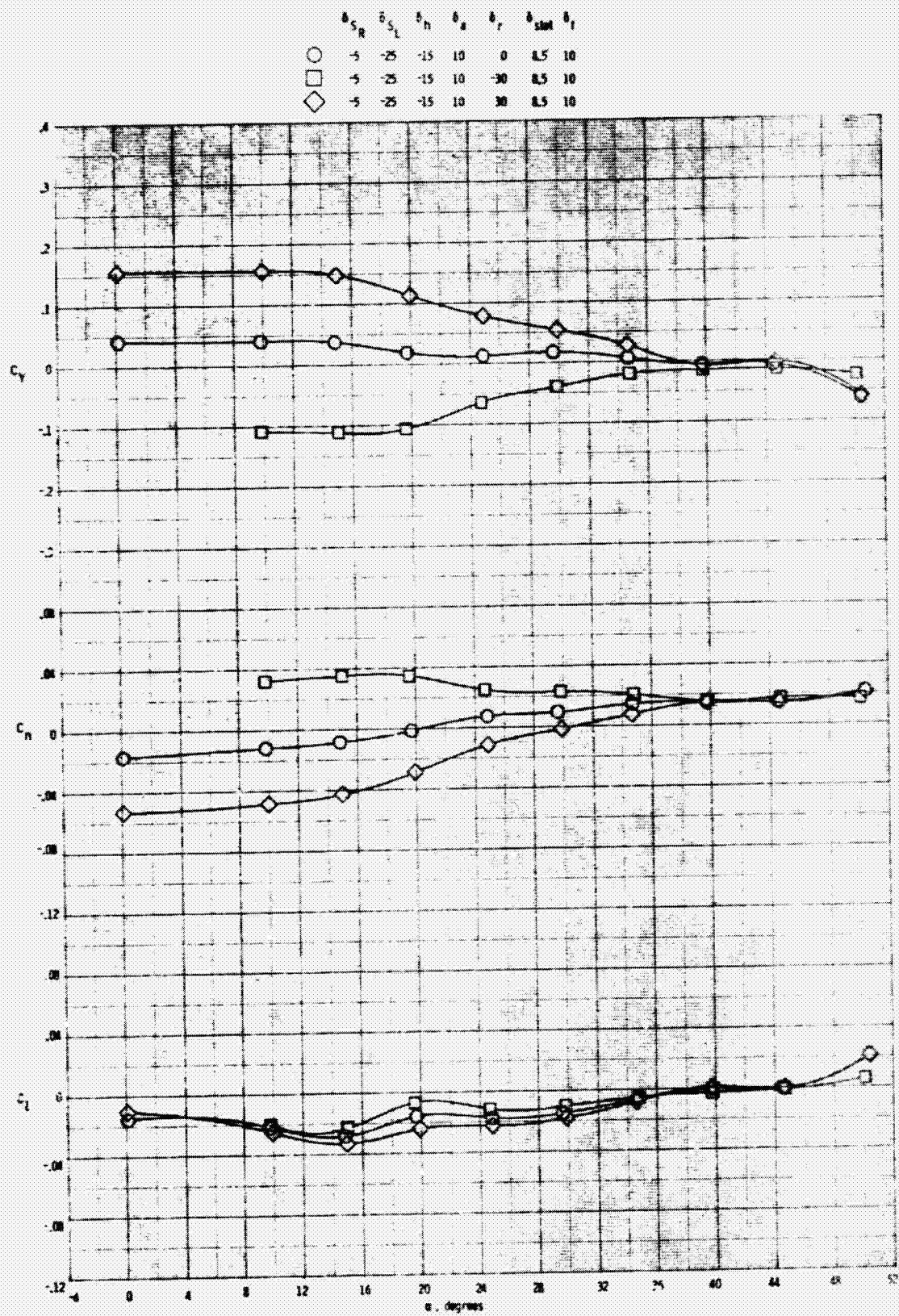


Figure 13, Concluded.

Figure 16. The effect of wire size and R_{ac} .

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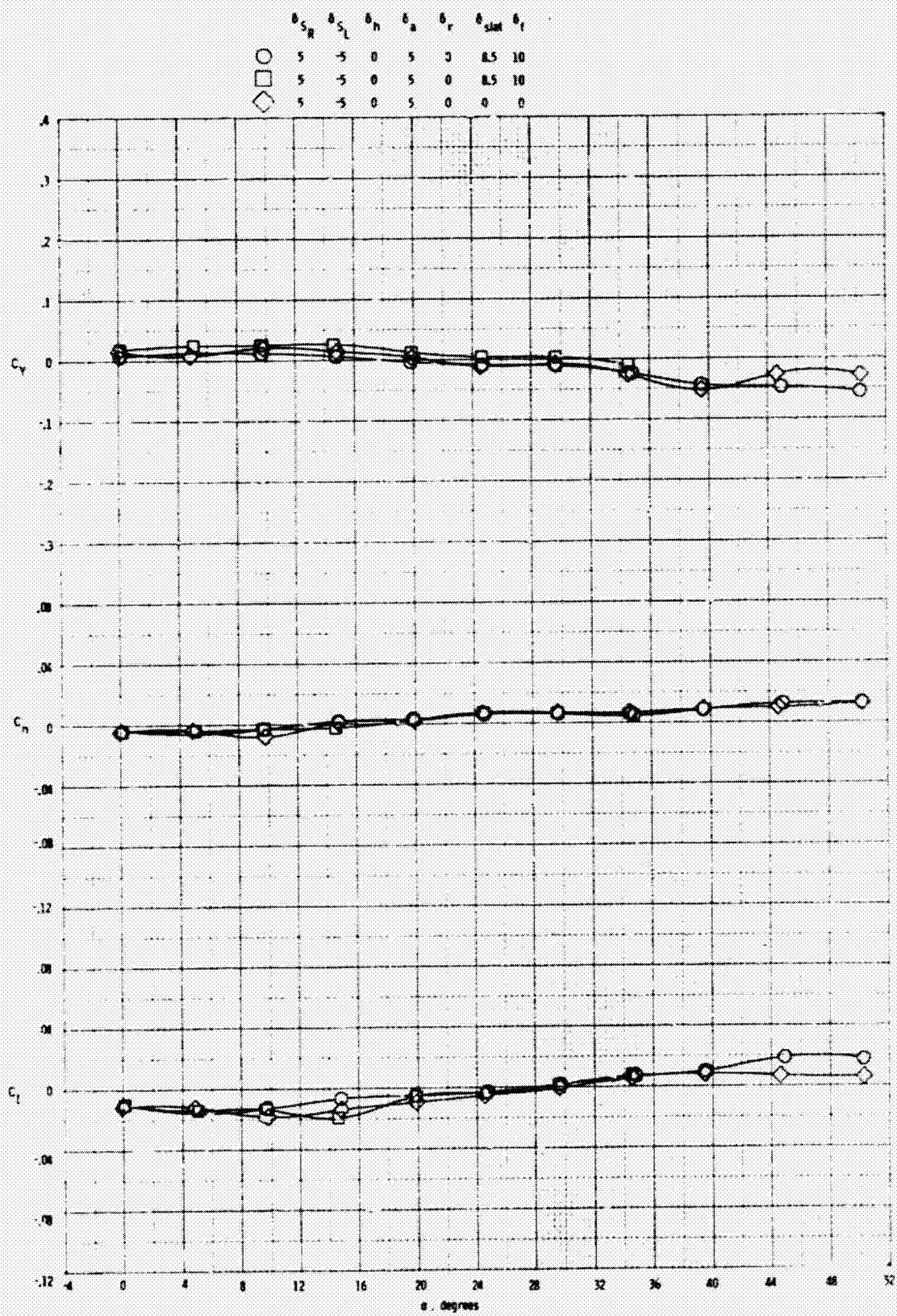
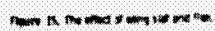


Fig. 14. Concluded.



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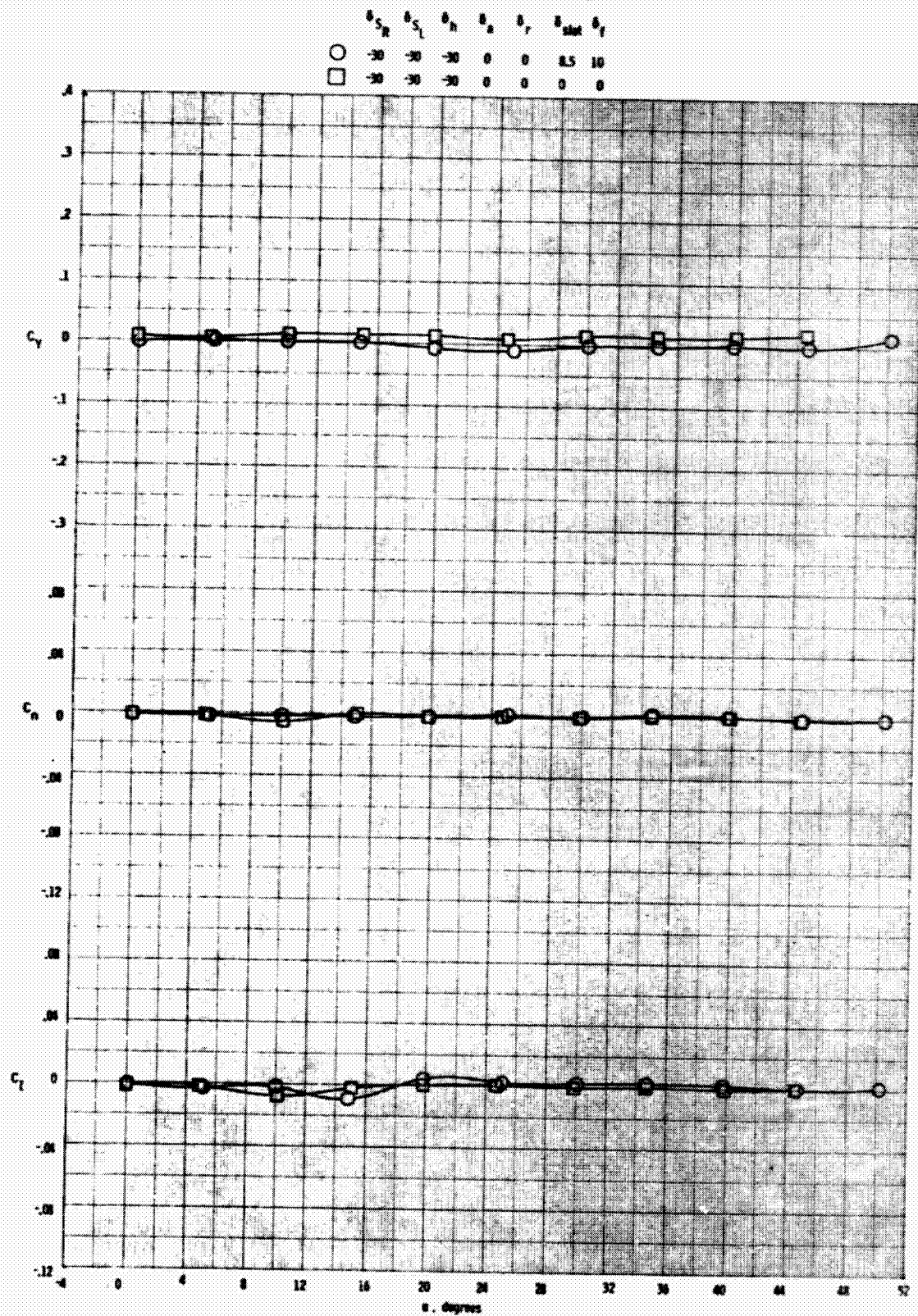
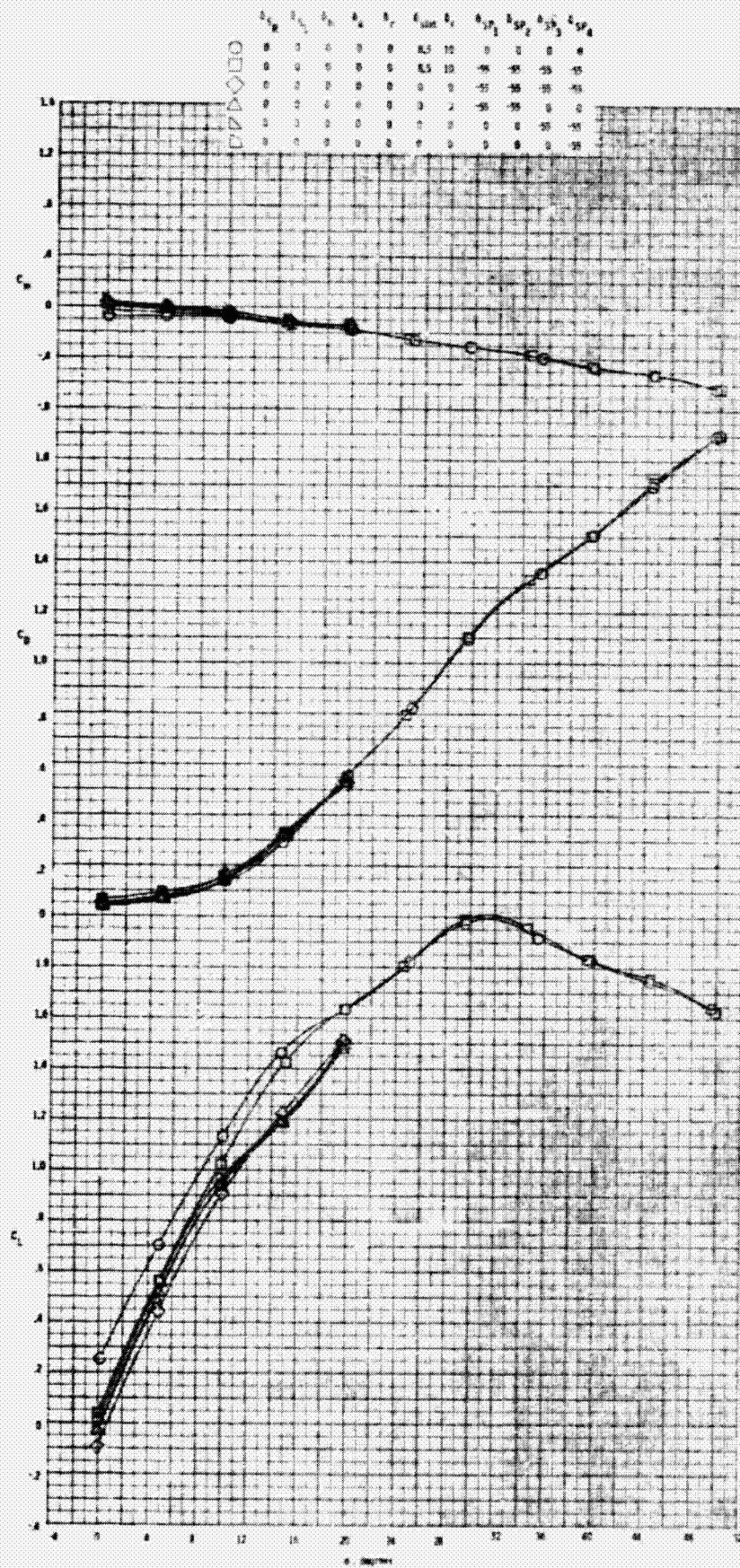
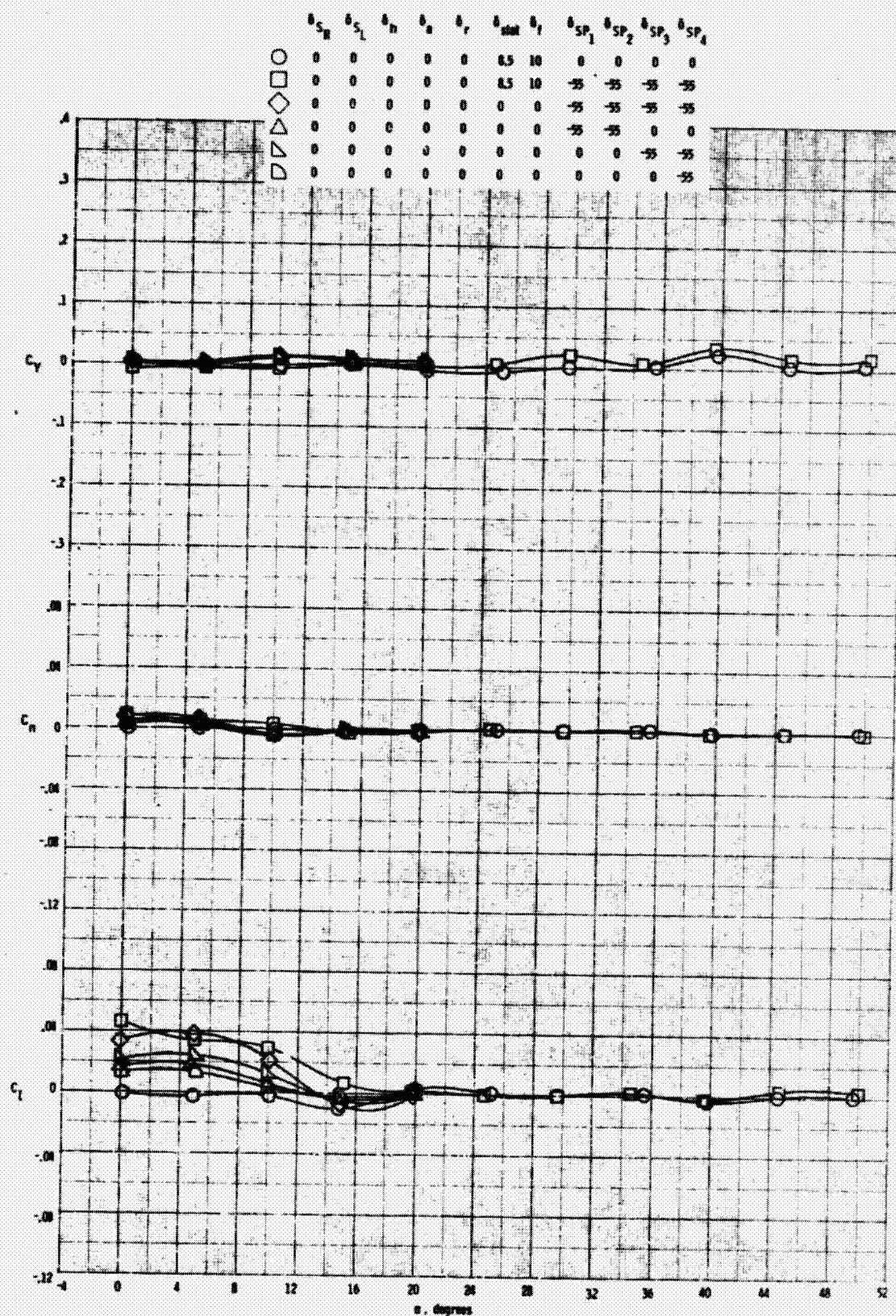


Figure 15. Concluded.



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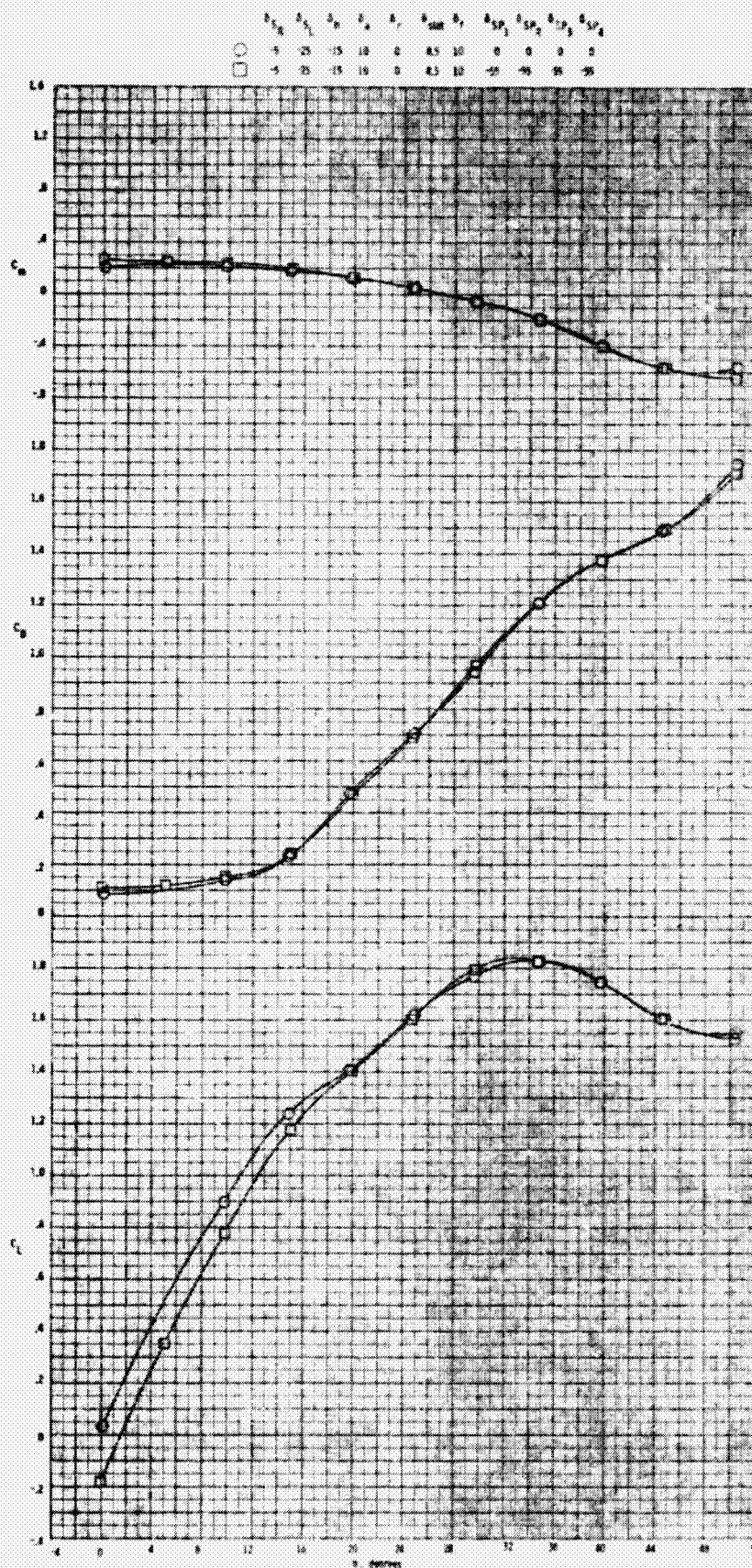


Figure 12. The effect of spacers.

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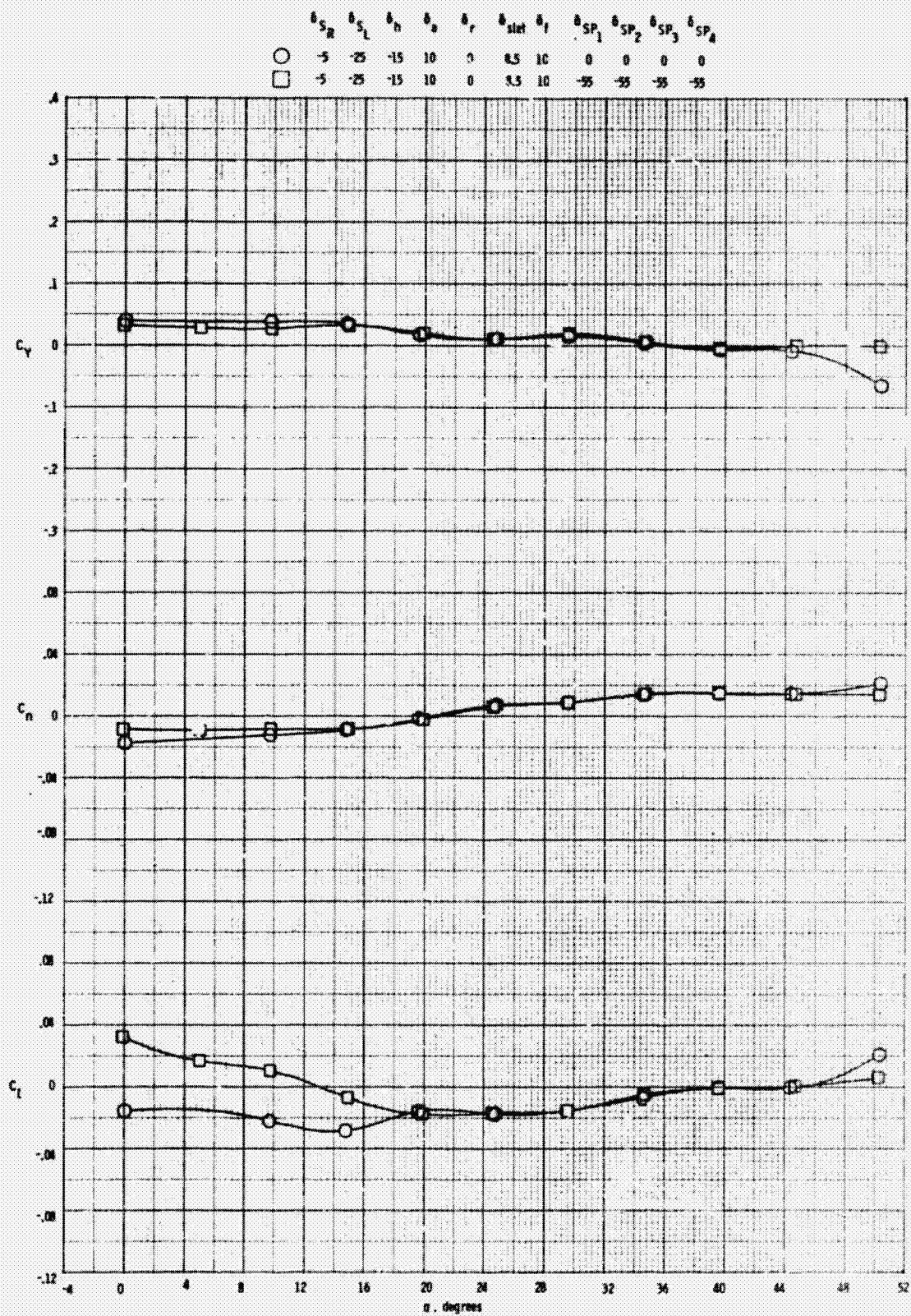


Figure 17. Concluded.

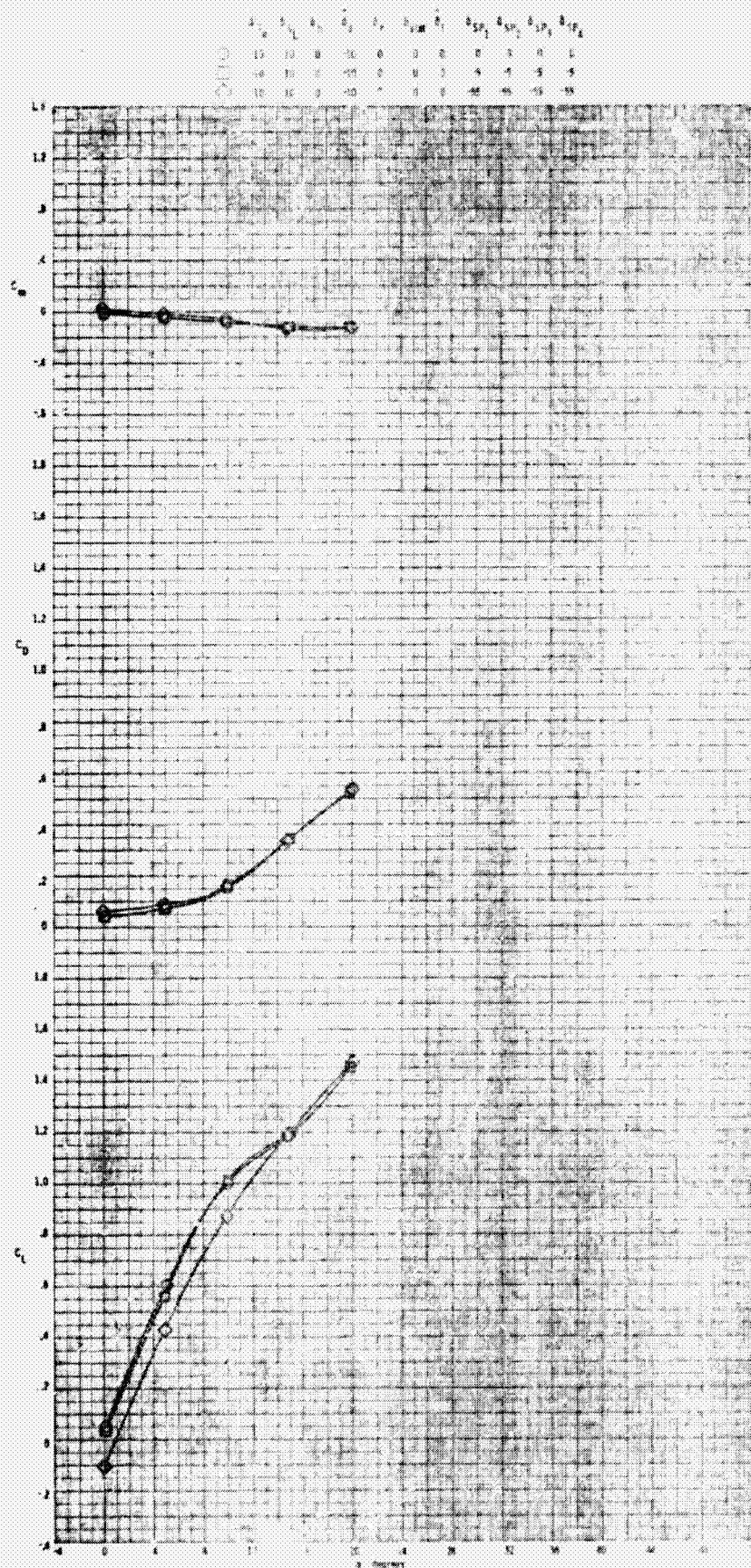


Figure 18. The effect of α on C_m , C_D , and C_L .

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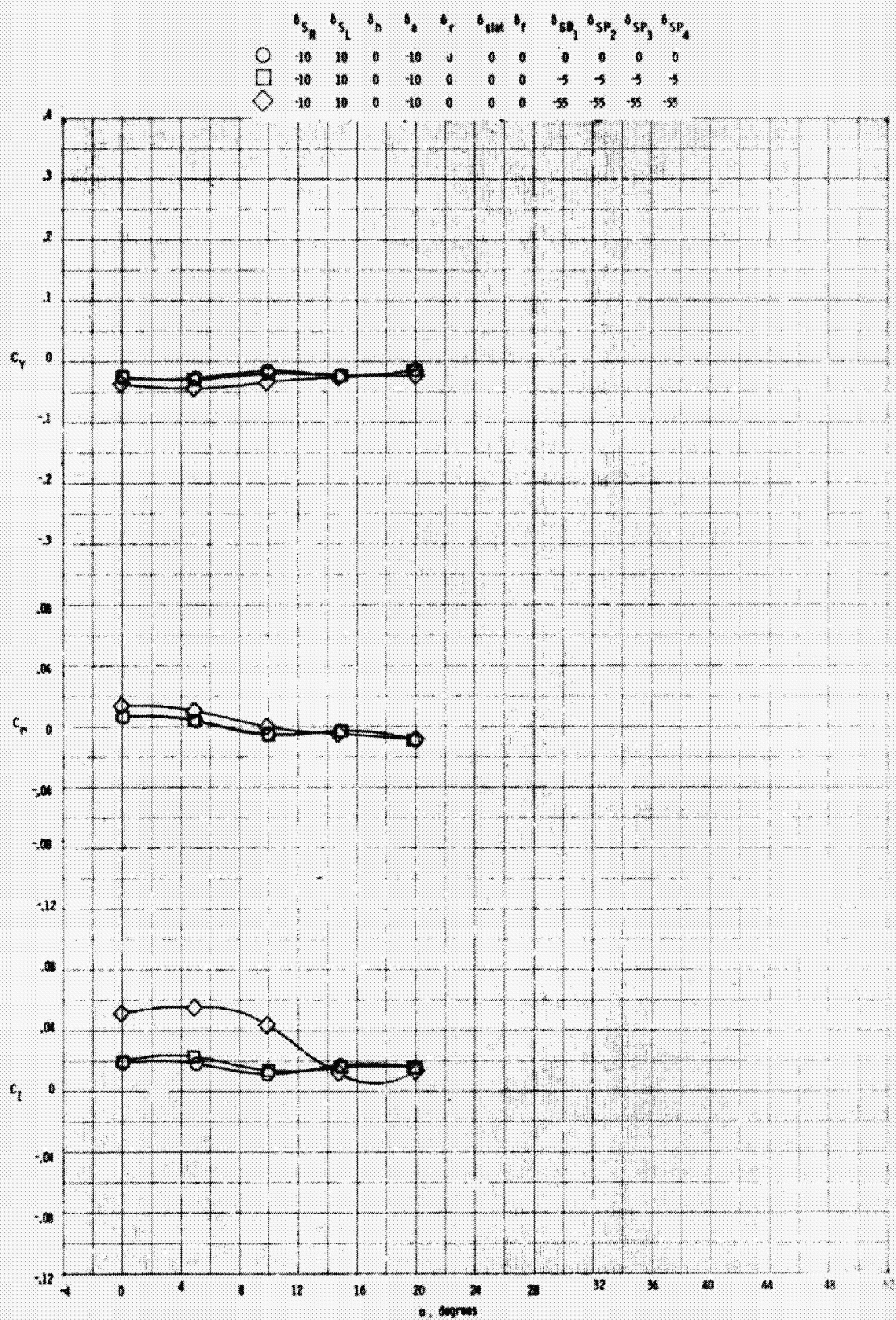


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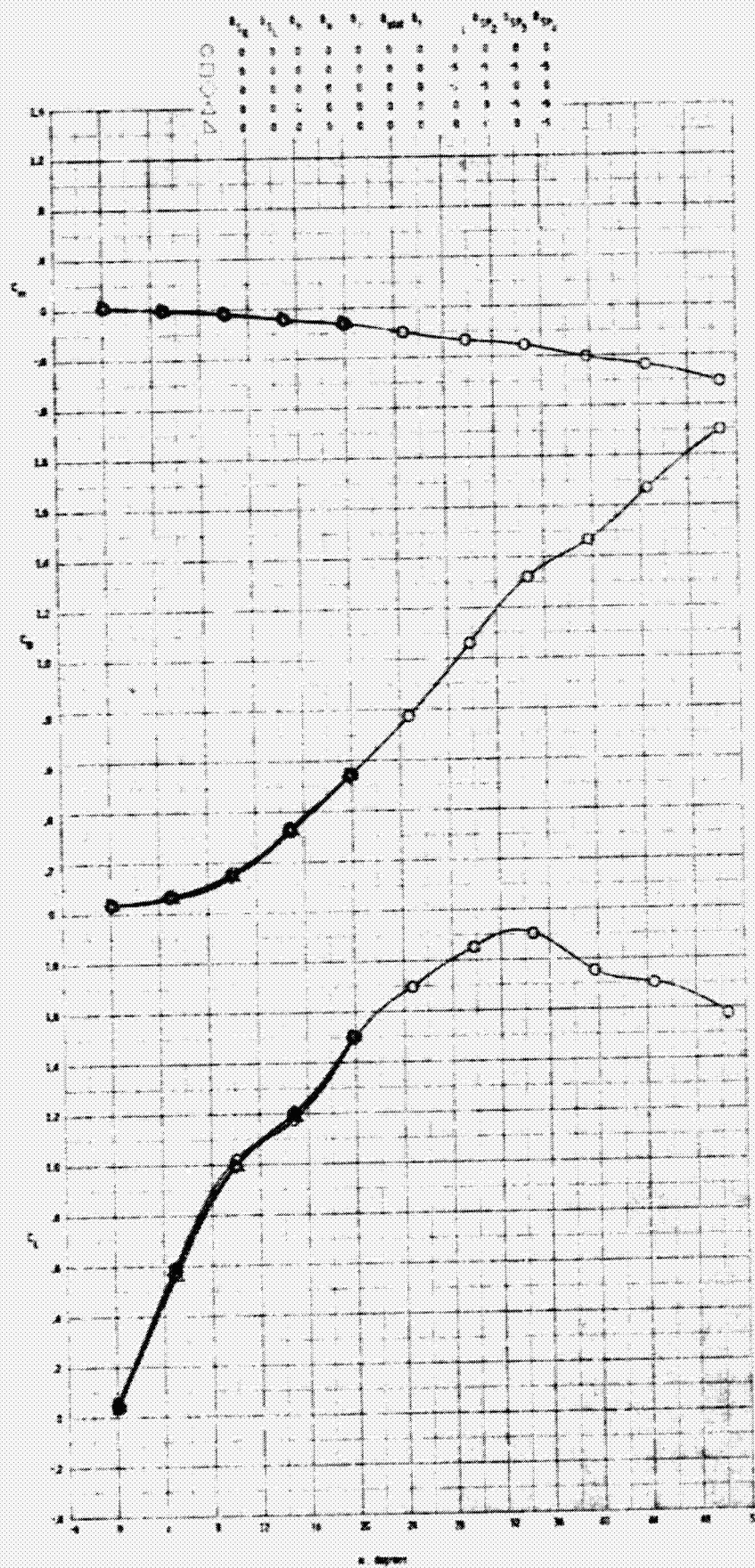


Figure 28. The effect of cambers.

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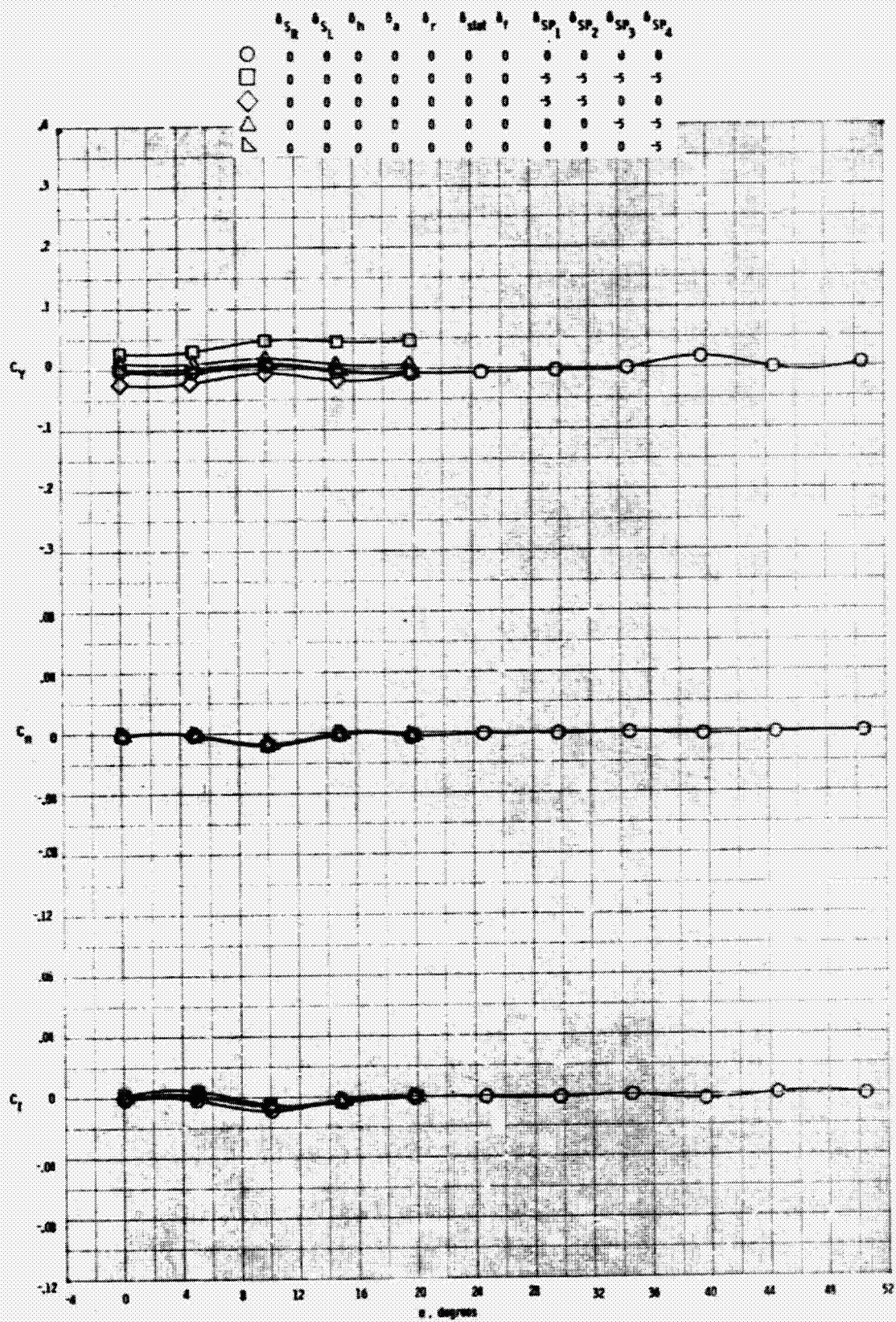


Figure 19. Concluded.

Figure 1 is a graph showing the dependence of the coefficients of the characteristic equation on the angle α . The x-axis represents α in degrees, ranging from 0 to 36. The y-axes represent the coefficients C_m , C_2 , and C_1 .

- The top y-axis is C_m , ranging from 0 to 1.8.
- The middle y-axis is C_2 , ranging from 0 to 1.4.
- The bottom y-axis is C_1 , ranging from 0 to 1.2.

Three sets of curves are plotted, each corresponding to a coefficient:

- C_m curves:** Two curves starting near 1.0 at $\alpha=0$ and decreasing as α increases. One curve uses open circles and the other uses open squares.
- C_2 curves:** Two curves starting near 0.0 at $\alpha=0$ and increasing as α increases. One curve uses open circles and the other uses open squares.
- C_1 curves:** Two curves starting near 0.0 at $\alpha=0$, peaking around $\alpha=20$, and then decreasing. One curve uses open circles and the other uses open squares.

Figure 21. The effect of asymmetric wing camber.

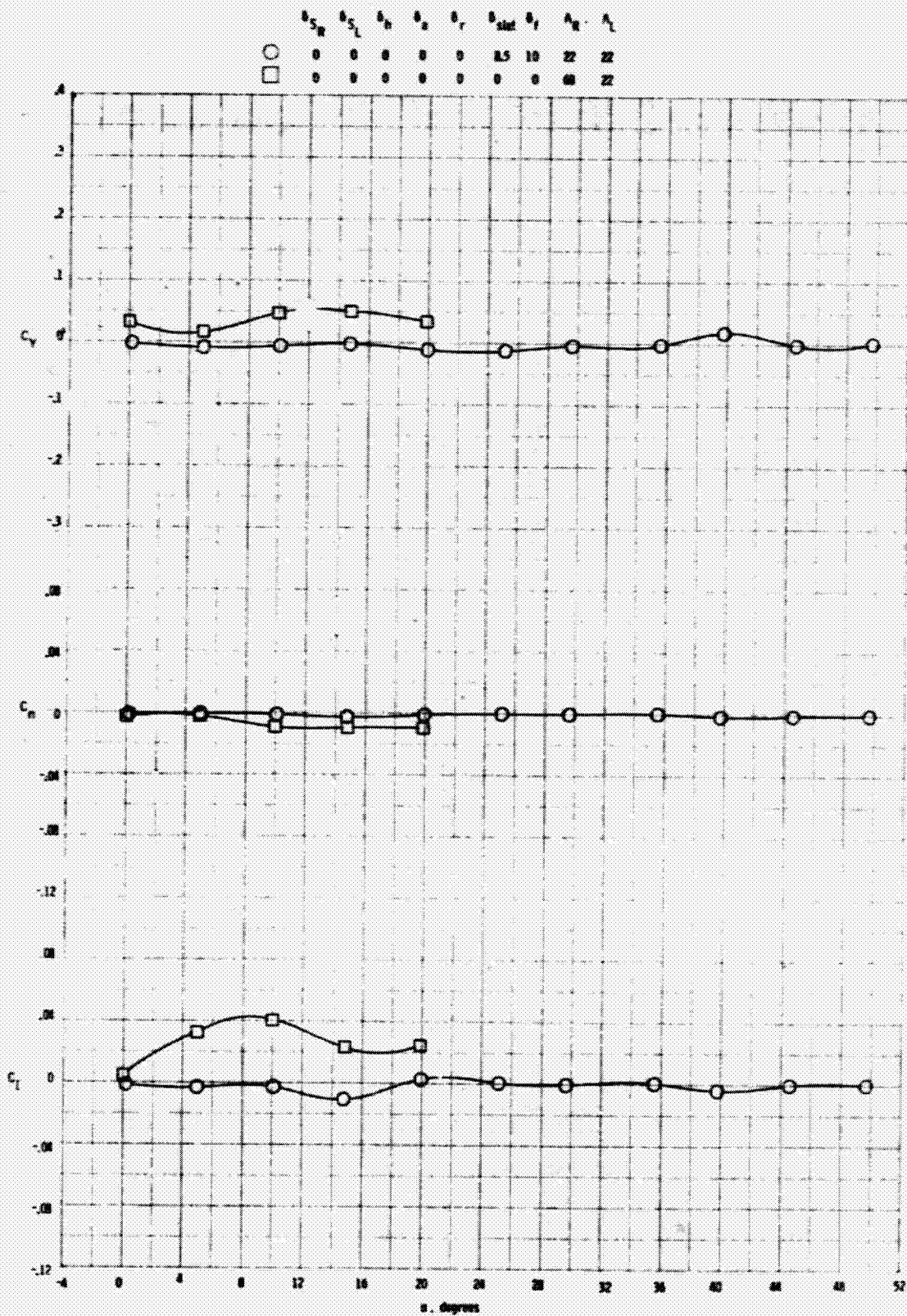


Figure 21. Concluded.



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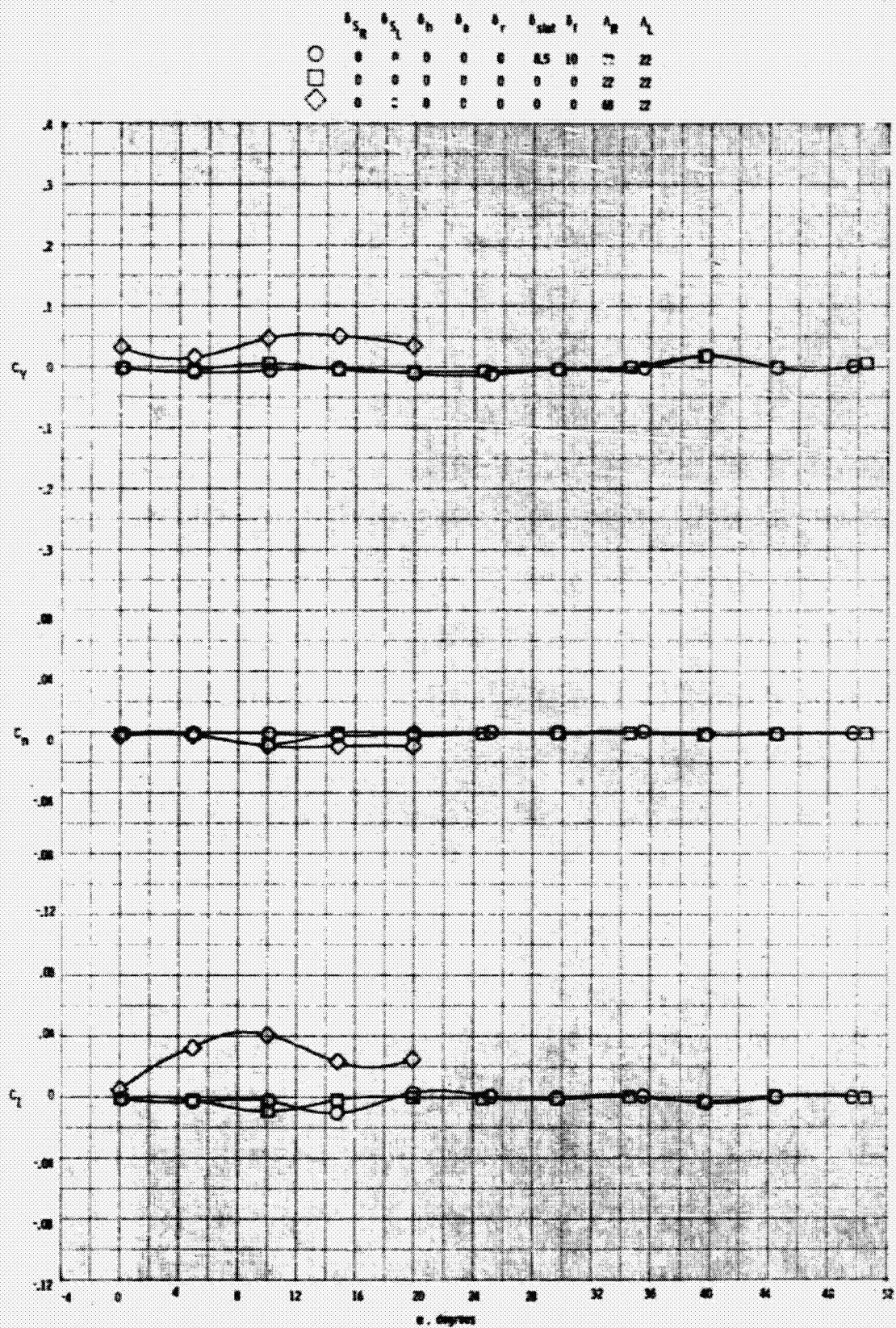


Figure 22. Concluded.

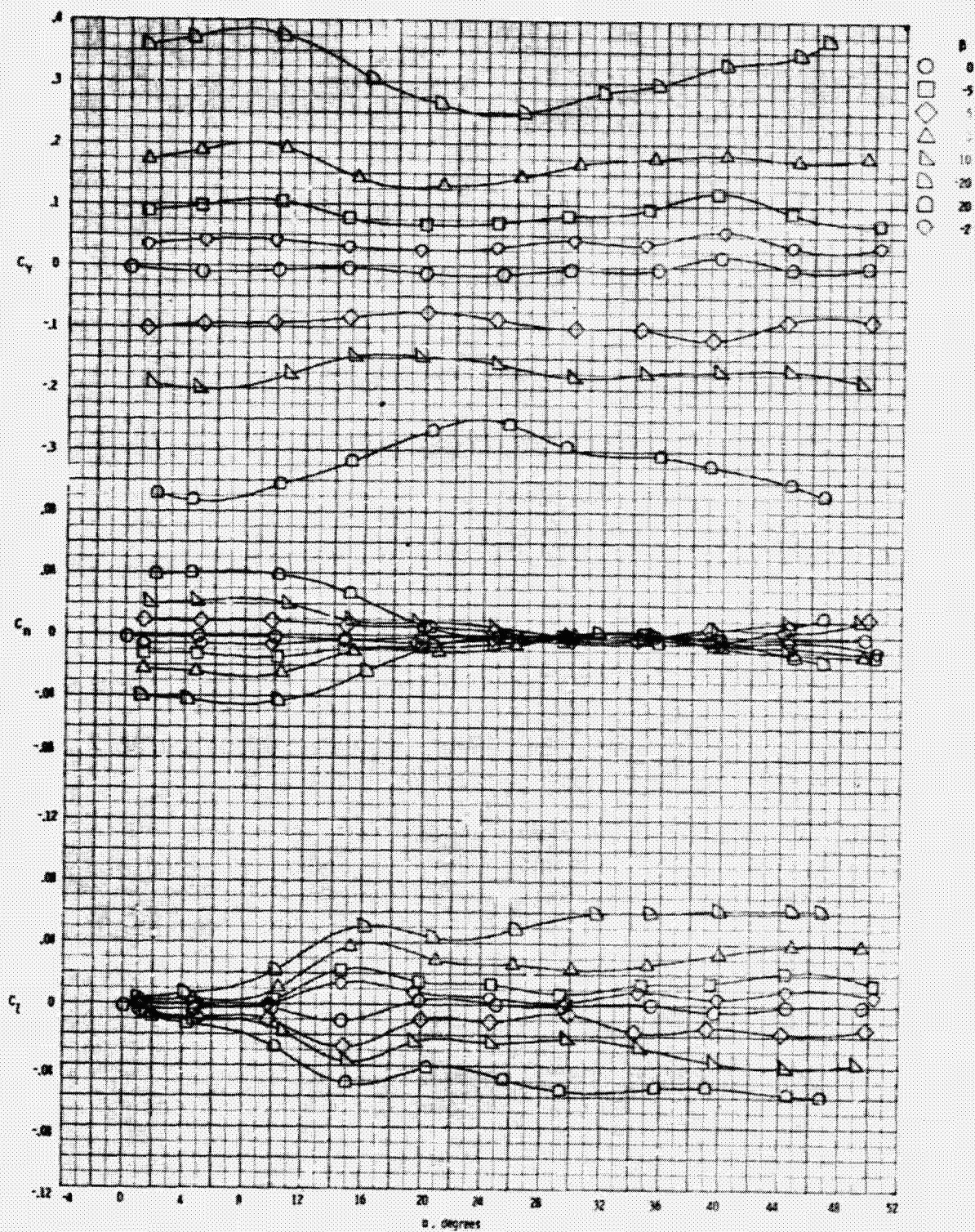


Figure 23. The effect of sideslip. $\delta_{S_R} = 0^\circ$, $\delta_{S_L} = 0^\circ$, $\delta_h = 0^\circ$, $\delta_a = 0^\circ$, $\delta_r = 0^\circ$, $\delta_{stab} = 8.5^\circ$, $\delta_j = 10^\circ$.

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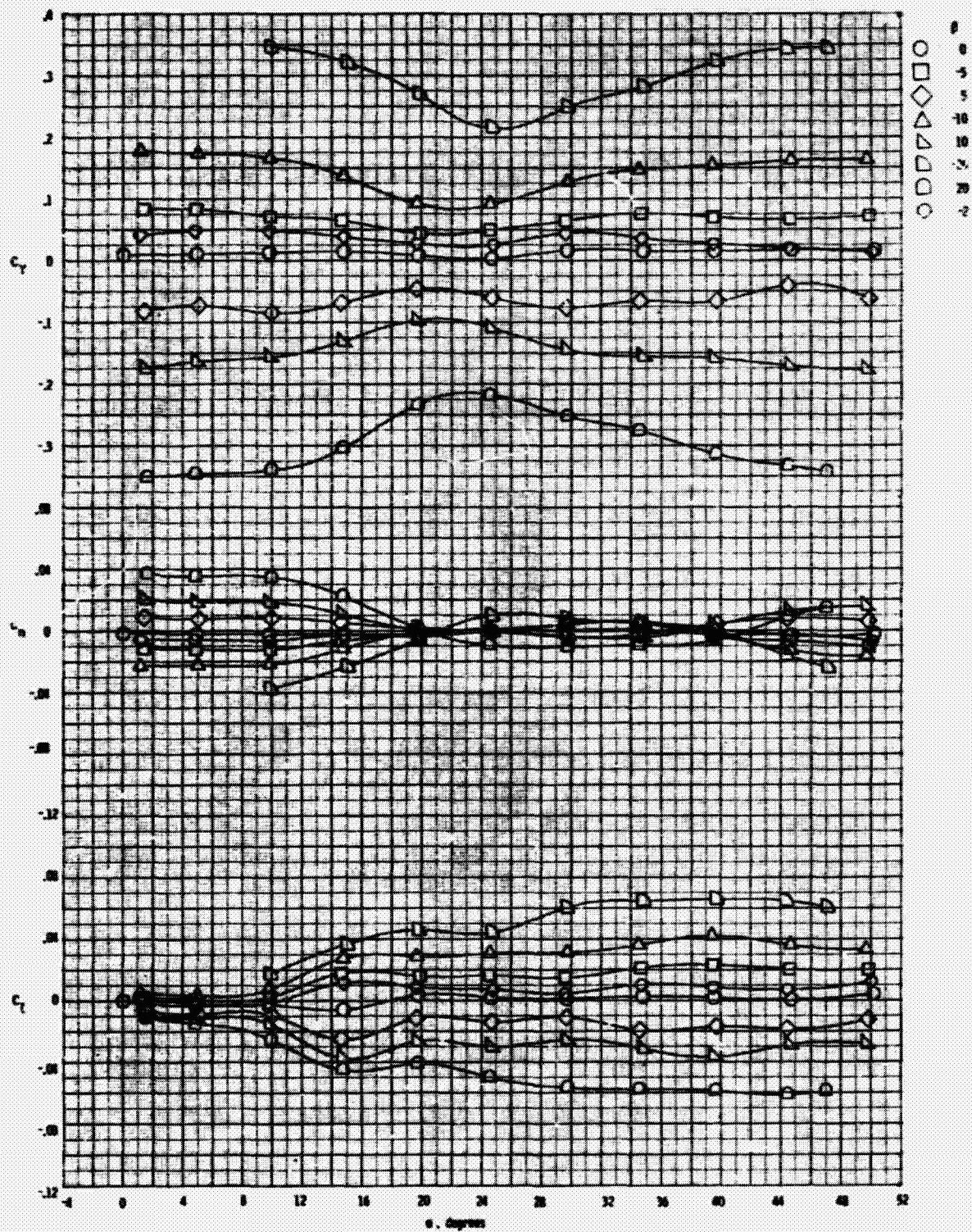


Figure 24. The effect of sideslip. $\delta_{S_H} = -15^\circ$, $\delta_{S_L} = -15^\circ$, $\delta_H = -15^\circ$, $\delta_h = 0^\circ$, $\delta_r = 0^\circ$, $\delta_{slat} = 0.5^\circ$, $\delta_f = 10^\circ$.

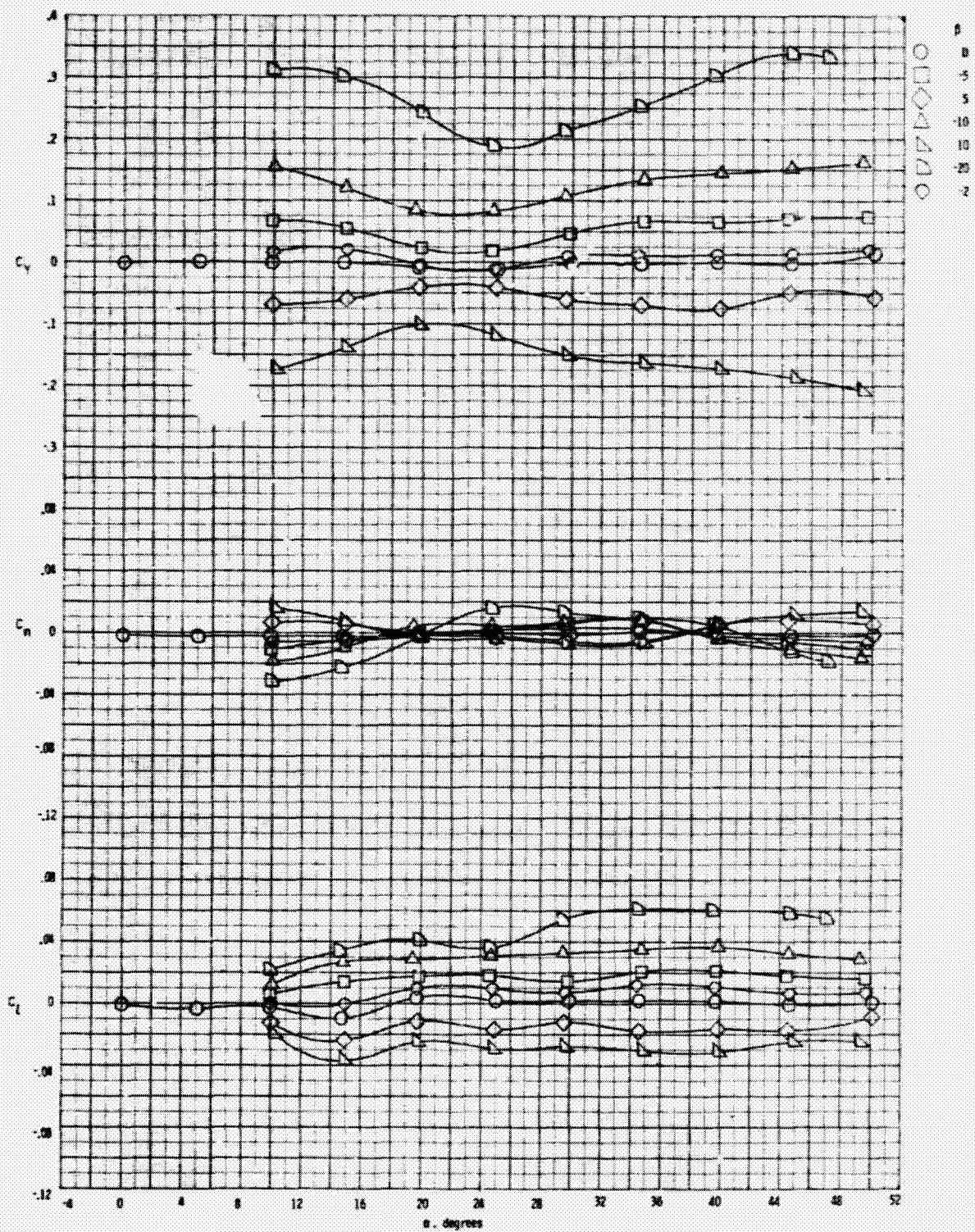


Figure 25. The effect of sideslip. $\delta_{S_R} = -30^\circ$, $\delta_{S_L} = -30^\circ$, $\delta_H = -30^\circ$, $\delta_A = 0^\circ$, $\delta_r = 0^\circ$, $\delta_{stat} = 8.5^\circ$, $\delta_f = 10^\circ$.

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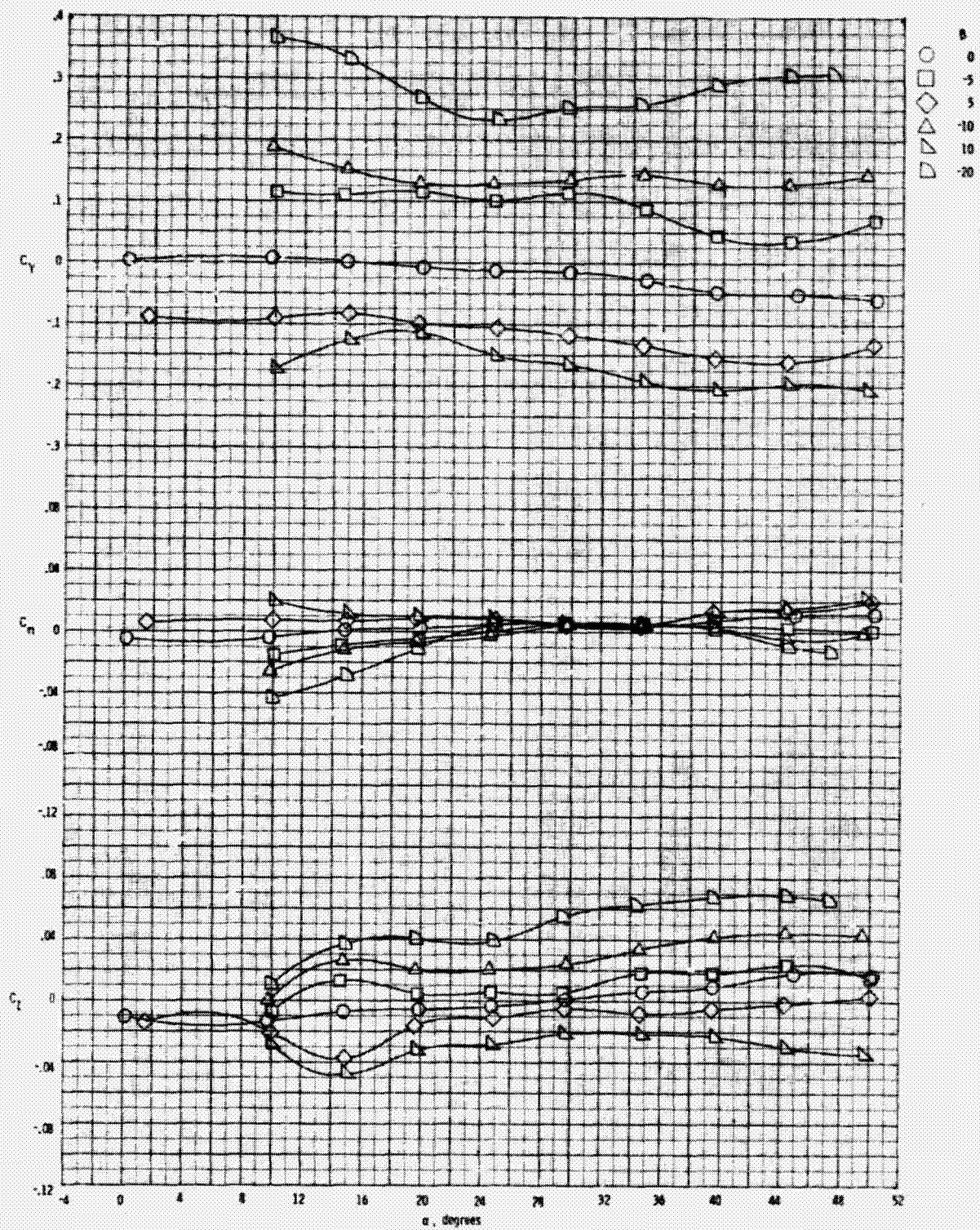


Figure 26. The effect of sideslip. $\delta_{S_R} = 5^\circ$, $\delta_{S_L} = -5^\circ$, $\delta_h = 0^\circ$, $\delta_a = 5^\circ$, $\delta_r = 0^\circ$, $\delta_{\text{slat}} = 8.5^\circ$, $\delta_f = 10^\circ$.

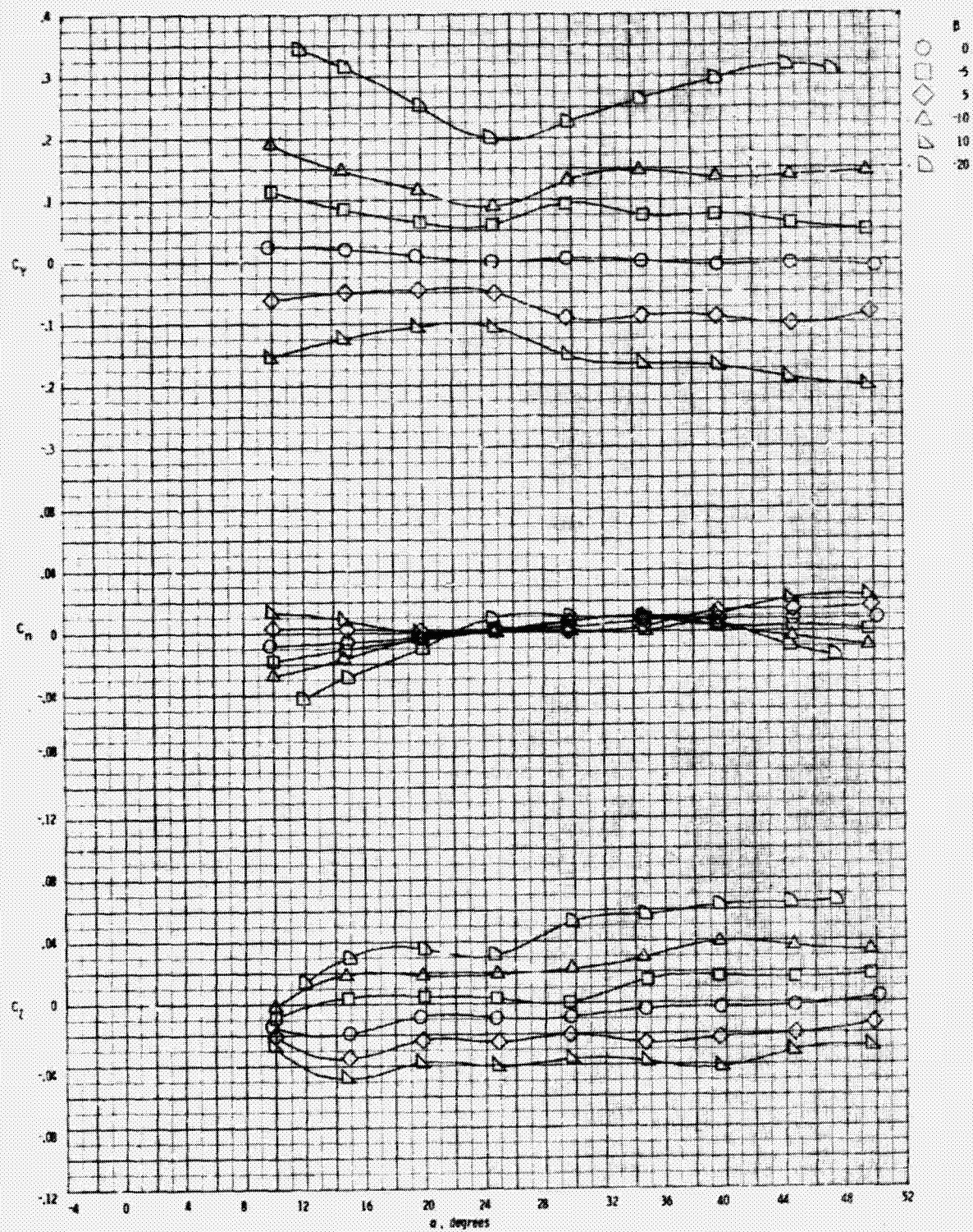


Figure 27. The effect of sideslip. $\delta_{S_R} = -10^\circ$, $\delta_{S_L} = -20^\circ$, $\delta_h = -15^\circ$, $\delta_a = 5^\circ$, $\delta_r = 0^\circ$, $\delta_{slat} = 8.5^\circ$, $\delta_f = 10^\circ$.

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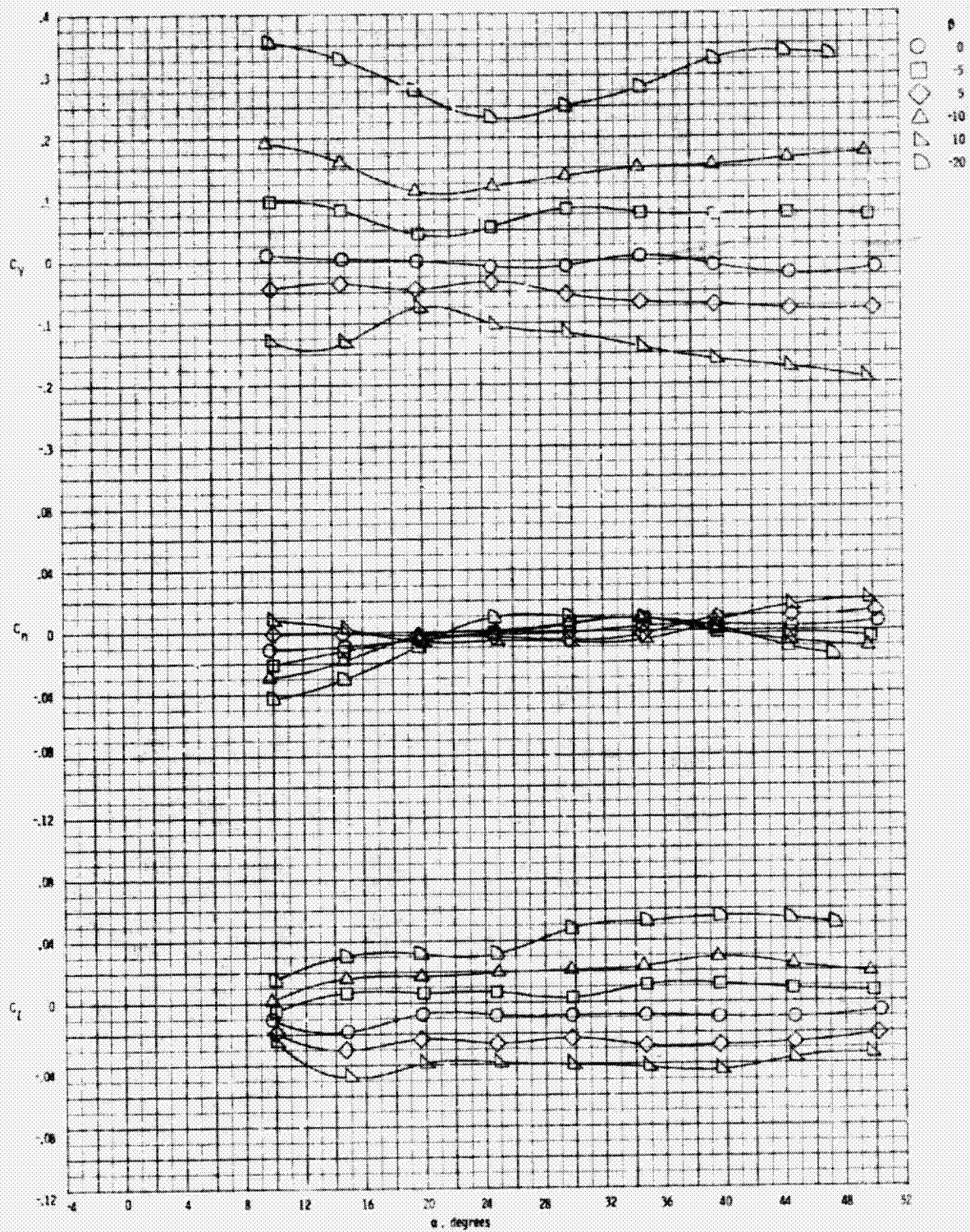


Figure 28. The effect of sideslip. $\delta_{S_R} = -20^\circ$, $\delta_{S_L} = -30^\circ$, $\delta_n = -25^\circ$, $\delta_a = 5^\circ$, $\delta_r = 0^\circ$, $\delta_{stab} = 8.5^\circ$, $\delta_j = 10^\circ$.

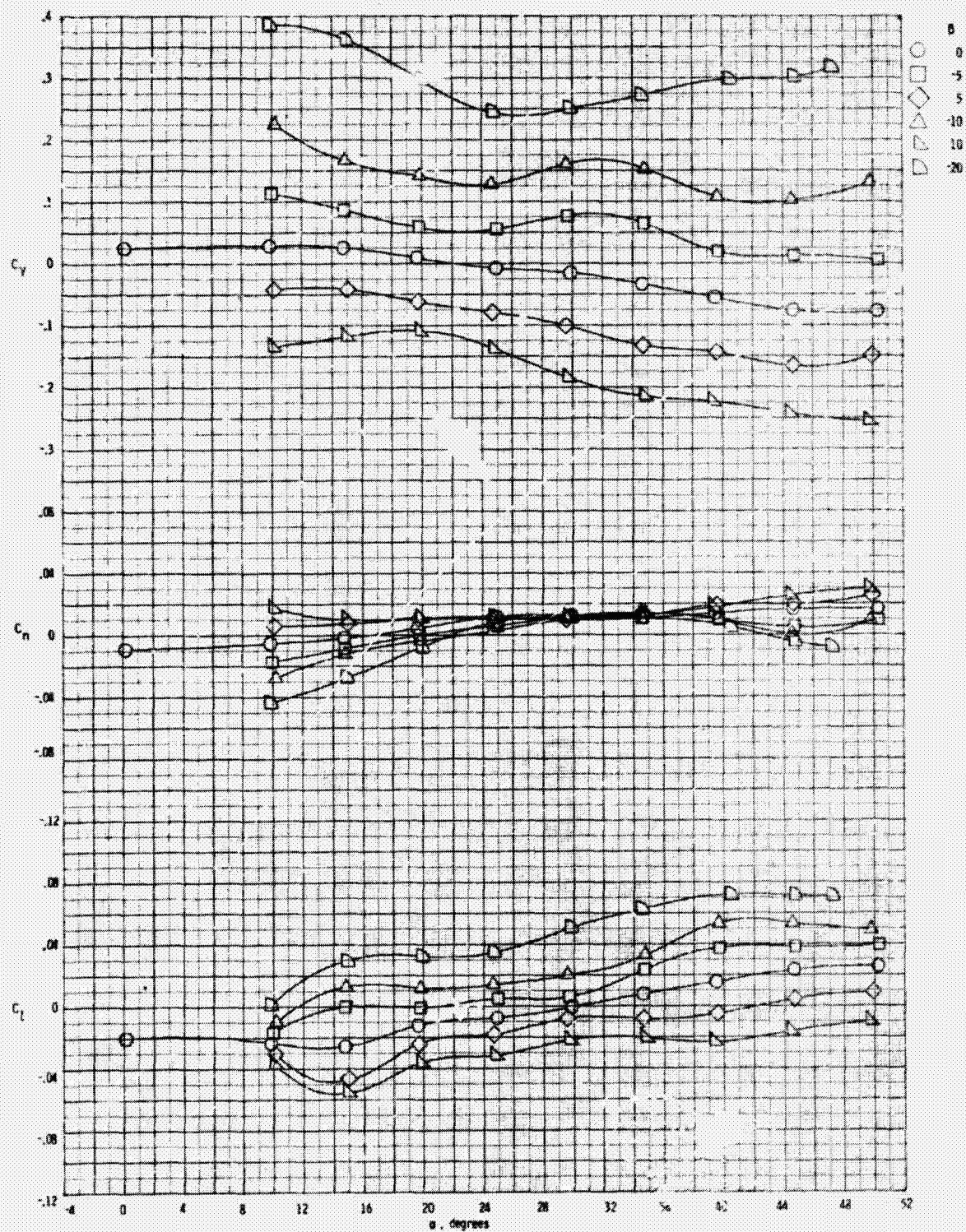


Figure 29. The effect of sideslip. $\delta_{S_R} = 10^\circ$, $\delta_{S_L} = -10^\circ$, $\delta_h = 0^\circ$, $\delta_a = 10^\circ$, $\delta_r = 0^\circ$, $\delta_{slat} = 8.5^\circ$, $\delta_f = 10^\circ$.

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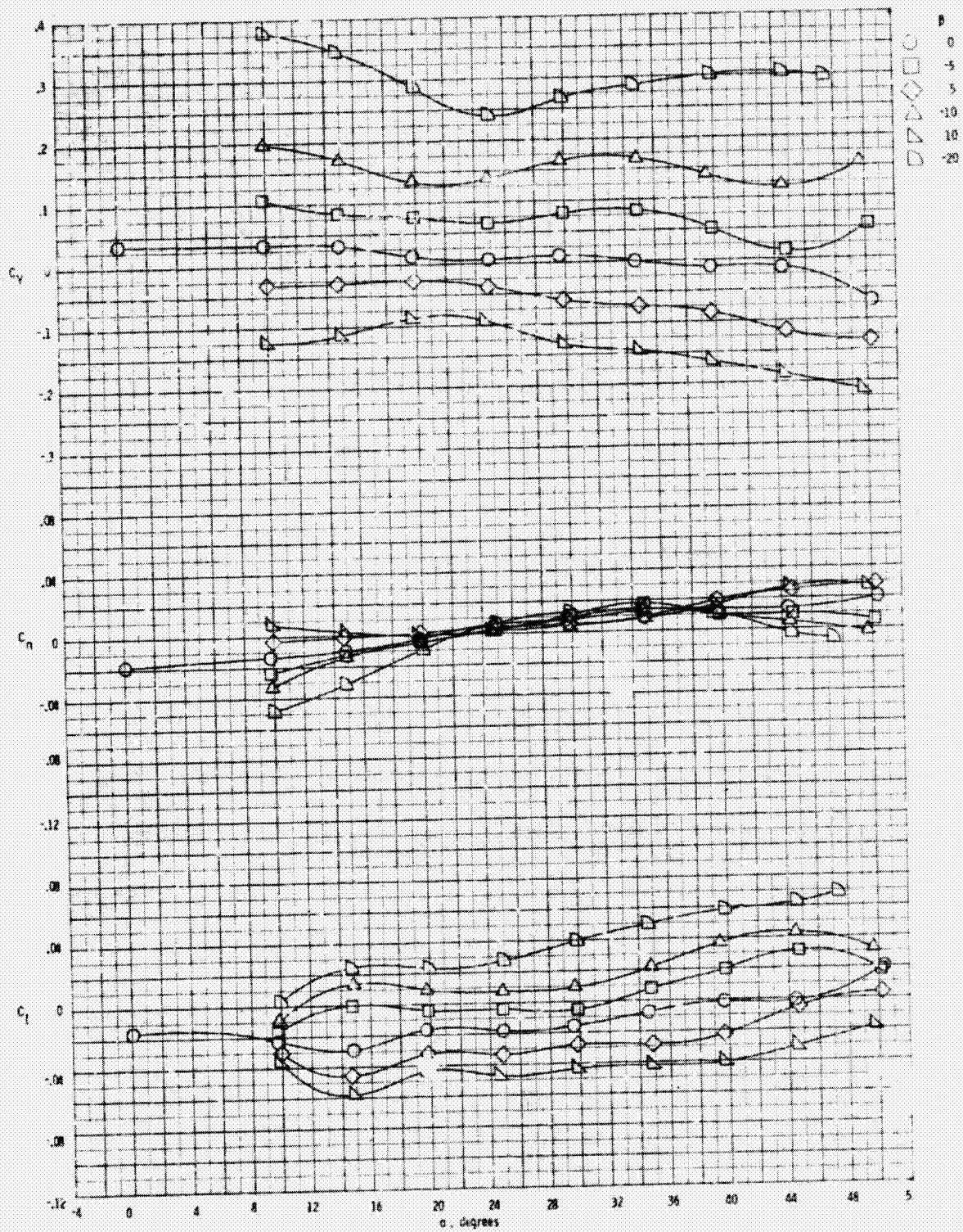


Figure 30. The effect of sideslip. $\delta_{S_R} = -5^\circ$, $\delta_{S_L} = -25^\circ$, $\delta_h = -15^\circ$, $\delta_a = 10^\circ$, $\delta_r = 0^\circ$, $\delta_{sla} = 8.5^\circ$, $\delta_l = 10^\circ$

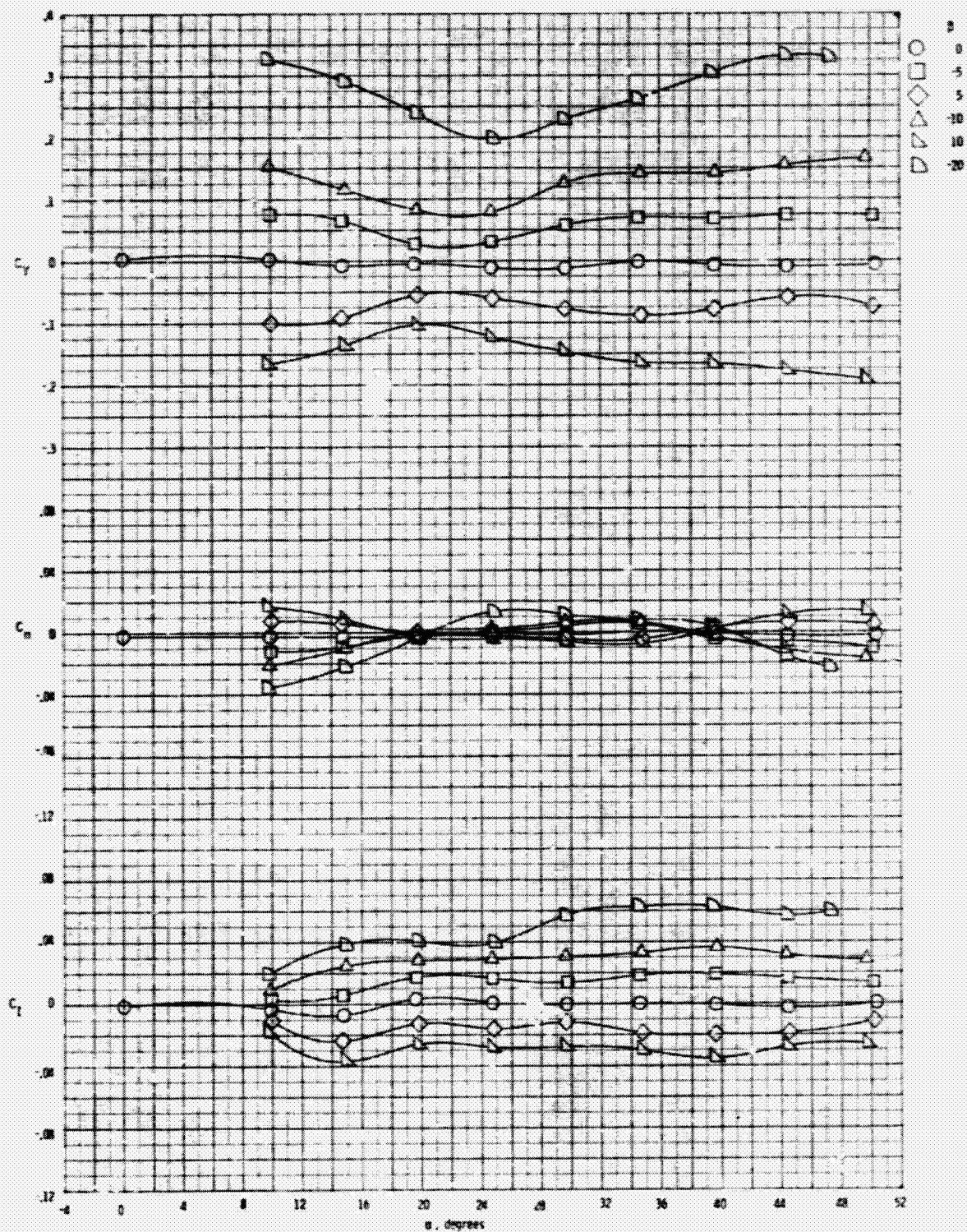


Figure 31. The effect of sideslip. $\delta_{S_R} = -25^\circ$, $\delta_{S_L} = -25^\circ$, $\delta_h = -25^\circ$, $\delta_a = 0^\circ$, $\delta_r = 0^\circ$, $\delta_{stat} = 8.5^\circ$, $\delta_i = 10^\circ$.

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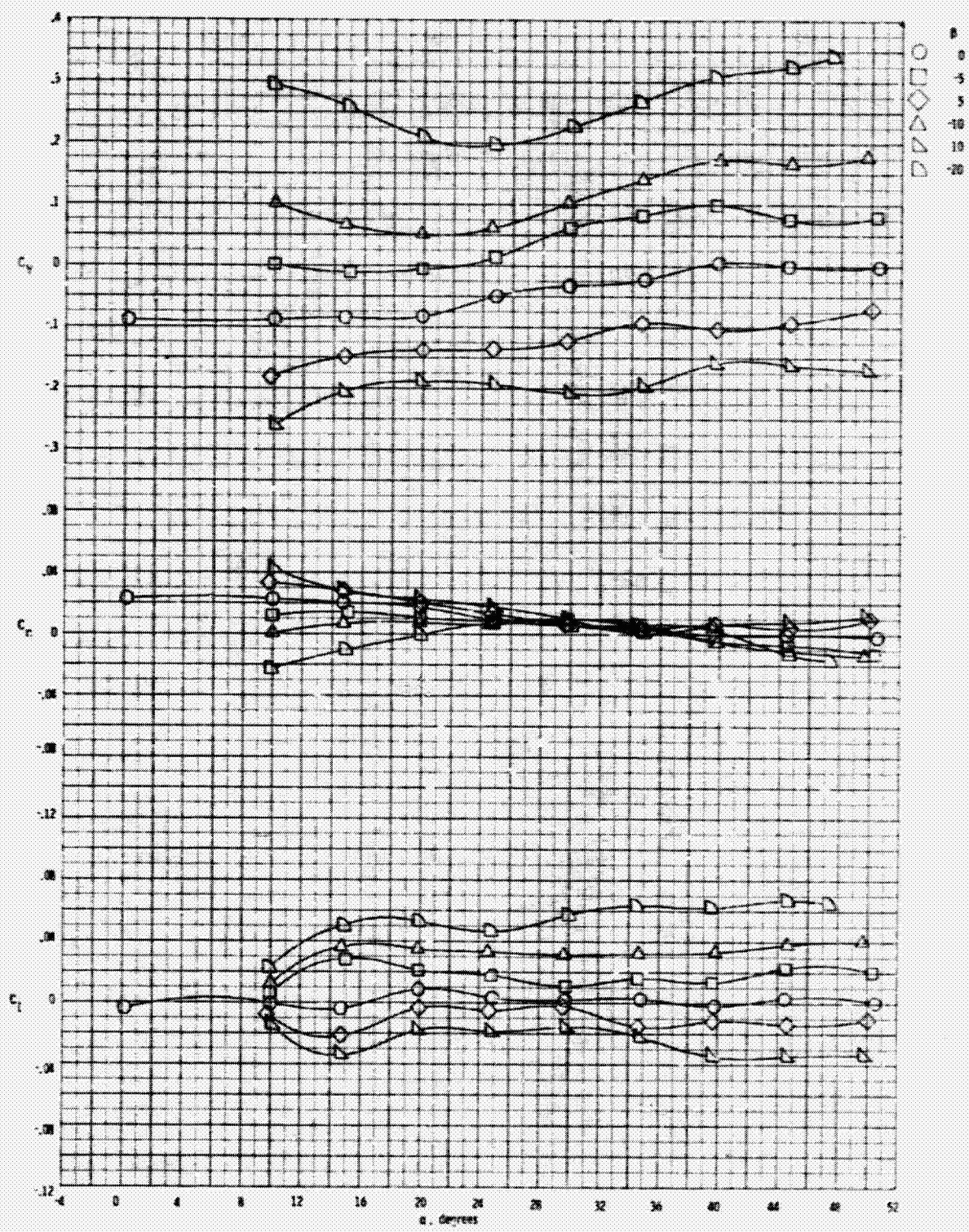


Figure 32. The effect of sideslip. $\delta_{S_H} = 0^\circ$, $\delta_{S_L} = 0^\circ$, $\delta_h = 0^\circ$, $\delta_a = 0^\circ$, $\delta_r = -15^\circ$, $\delta_{slat} = 8.5^\circ$, $\delta_f = 10^\circ$.

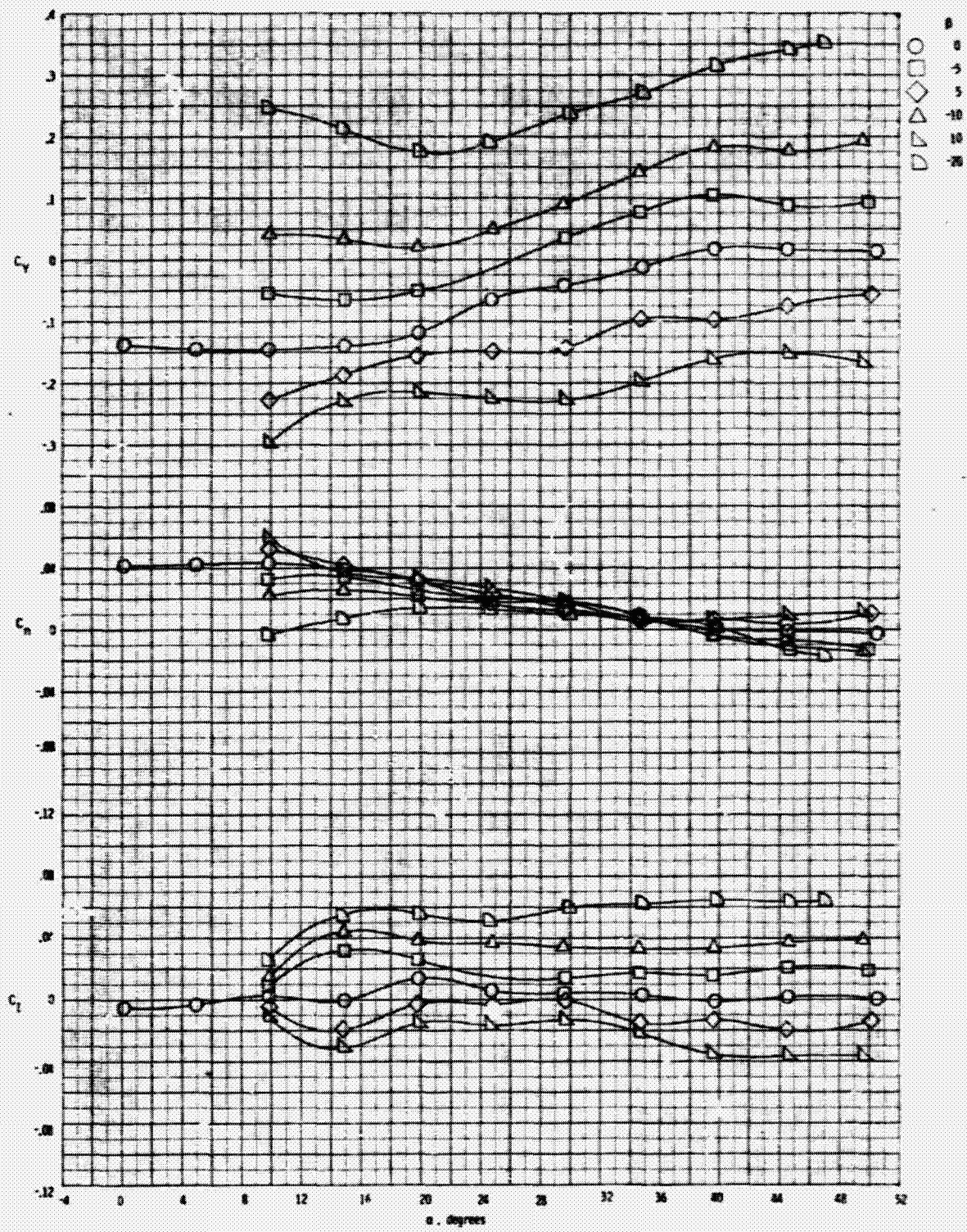


Figure 33. The effect of sideslip. $\delta_{S_H} = 0^\circ$, $\delta_{S_L} = 0^\circ$, $\delta_H = 0^\circ$, $\delta_S = 0^\circ$, $\delta_r = -30^\circ$, $\delta_{stat} = 8.5^\circ$, $\delta_f = 10^\circ$.

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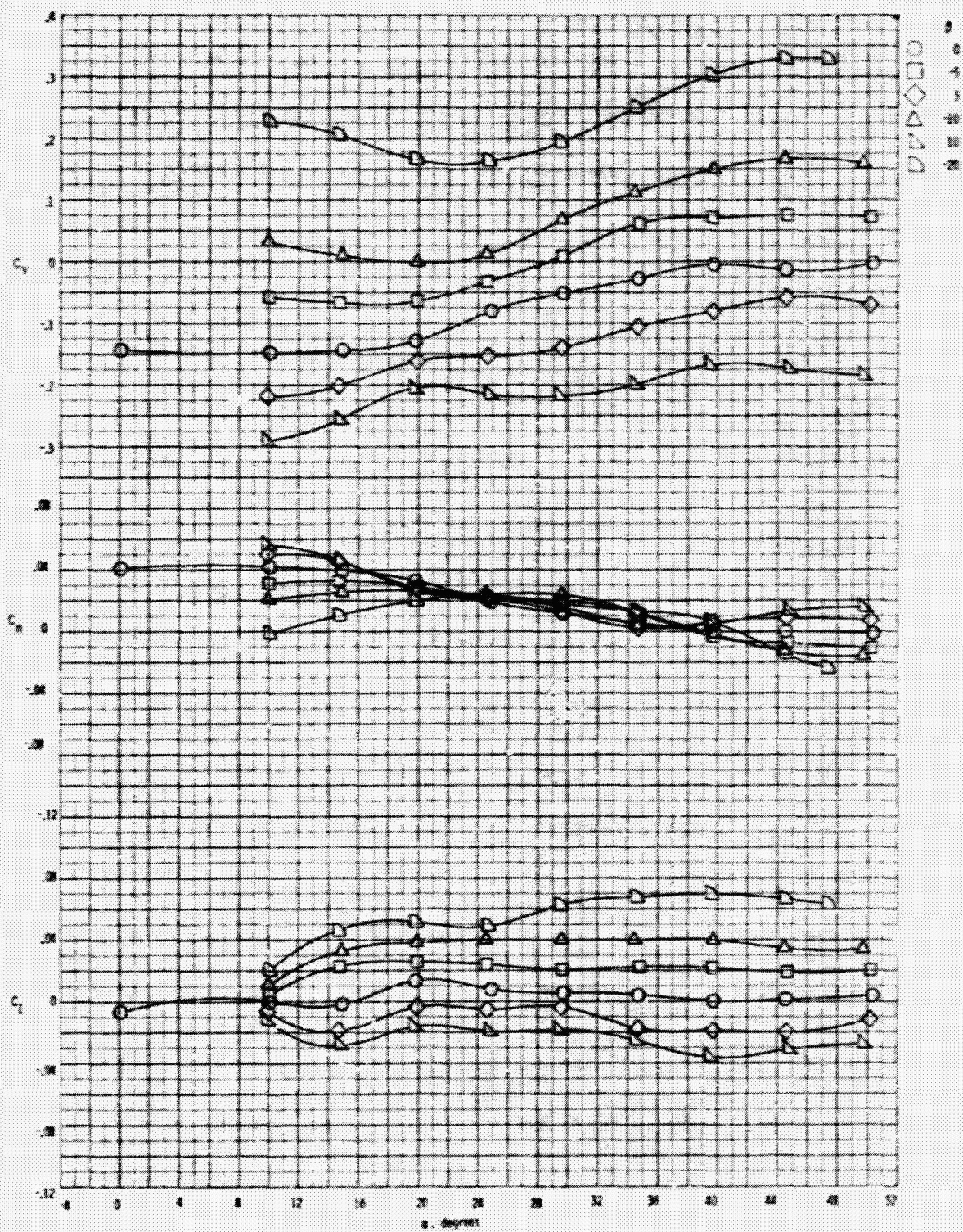


Figure 34. The effect of sideslip. $\delta_{\delta_R} = -15^\circ$, $\delta_{\delta_L} = -15^\circ$, $\delta_{\delta_1} = -15^\circ$, $\delta_{\delta_2} = 0^\circ$, $\delta_{\delta_3} = -30^\circ$, $\delta_{\delta_{\text{trim}}} = 8.5^\circ$, $\delta_{\delta_T} = 10^\circ$.

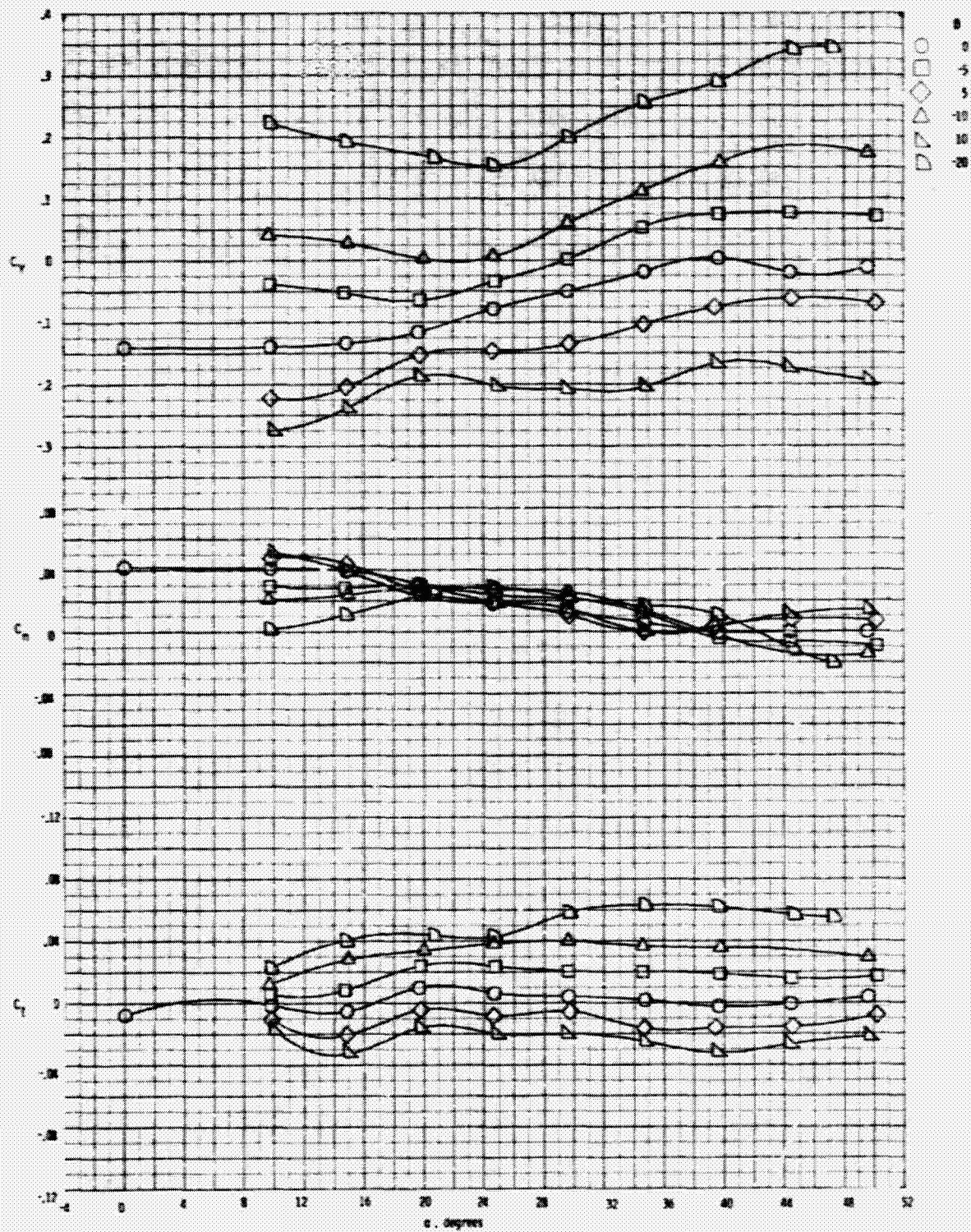


Figure 35. The effect of sideslip. $\delta_{S_0} = -30^\circ$, $\delta_{S_1} = -30^\circ$, $\delta_n = -30^\circ$, $\delta_a = 0^\circ$, $\delta_r = -30^\circ$, $\delta_{\text{stab}} = 8.5^\circ$, $\delta_r = 10^\circ$.

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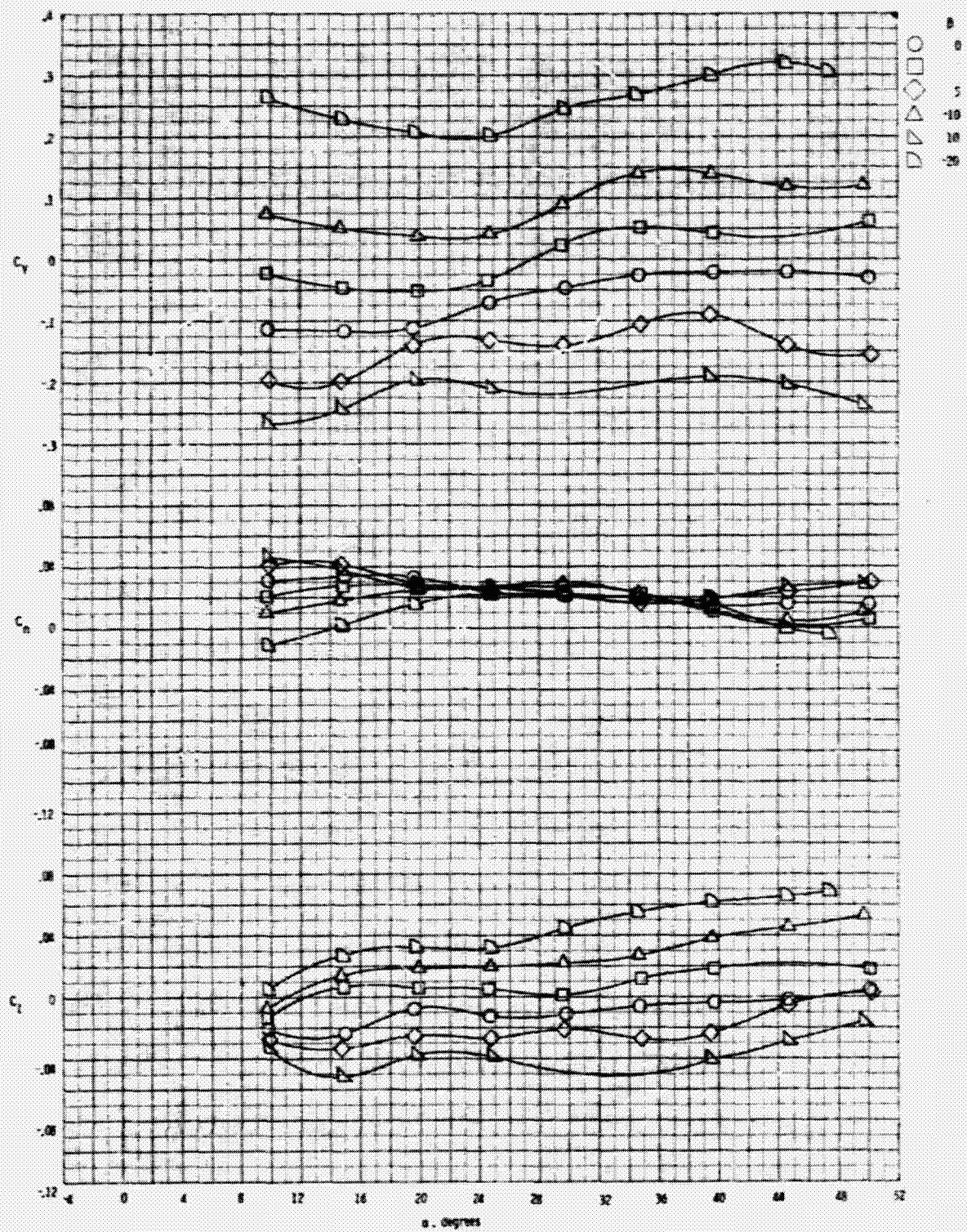


Figure 36. The effect of sideslip. $\delta_{S_R} = -5^\circ$, $\delta_{S_L} = -25^\circ$, $\delta_n = -15^\circ$, $\delta_p = 10^\circ$, $\delta_r = -30^\circ$, $\delta_{\text{stab}} = 8.5^\circ$, $\delta_f = 10^\circ$.

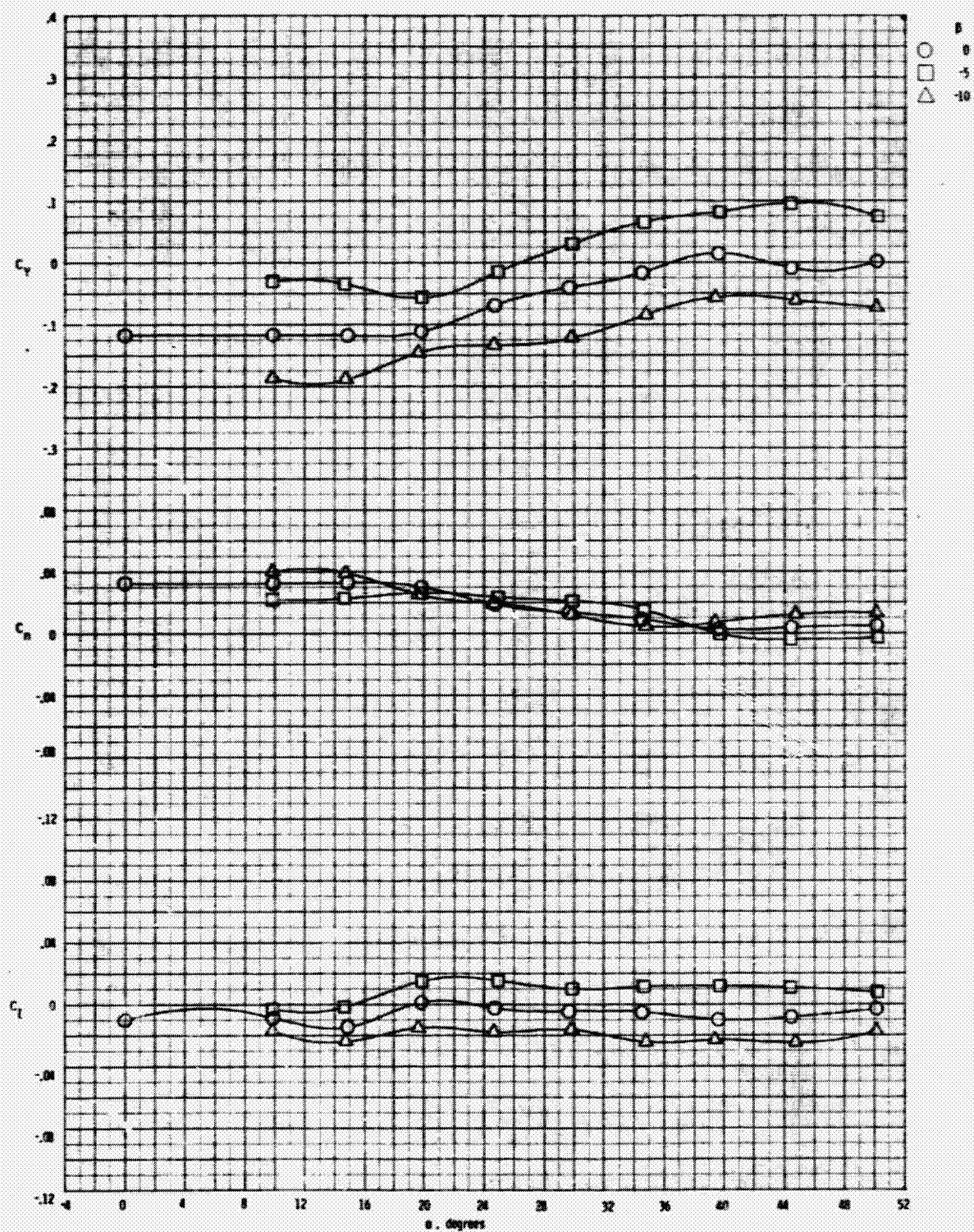


Figure 37. The effect of sideslip. $\delta_{S_R} = -20^\circ$, $\delta_{S_L} = -30^\circ$, $\delta_h = -25^\circ$, $\delta_a = 5^\circ$, $\delta_r = -30^\circ$, $\delta_{slat} = 8.5^\circ$, $\delta_f = 10^\circ$.

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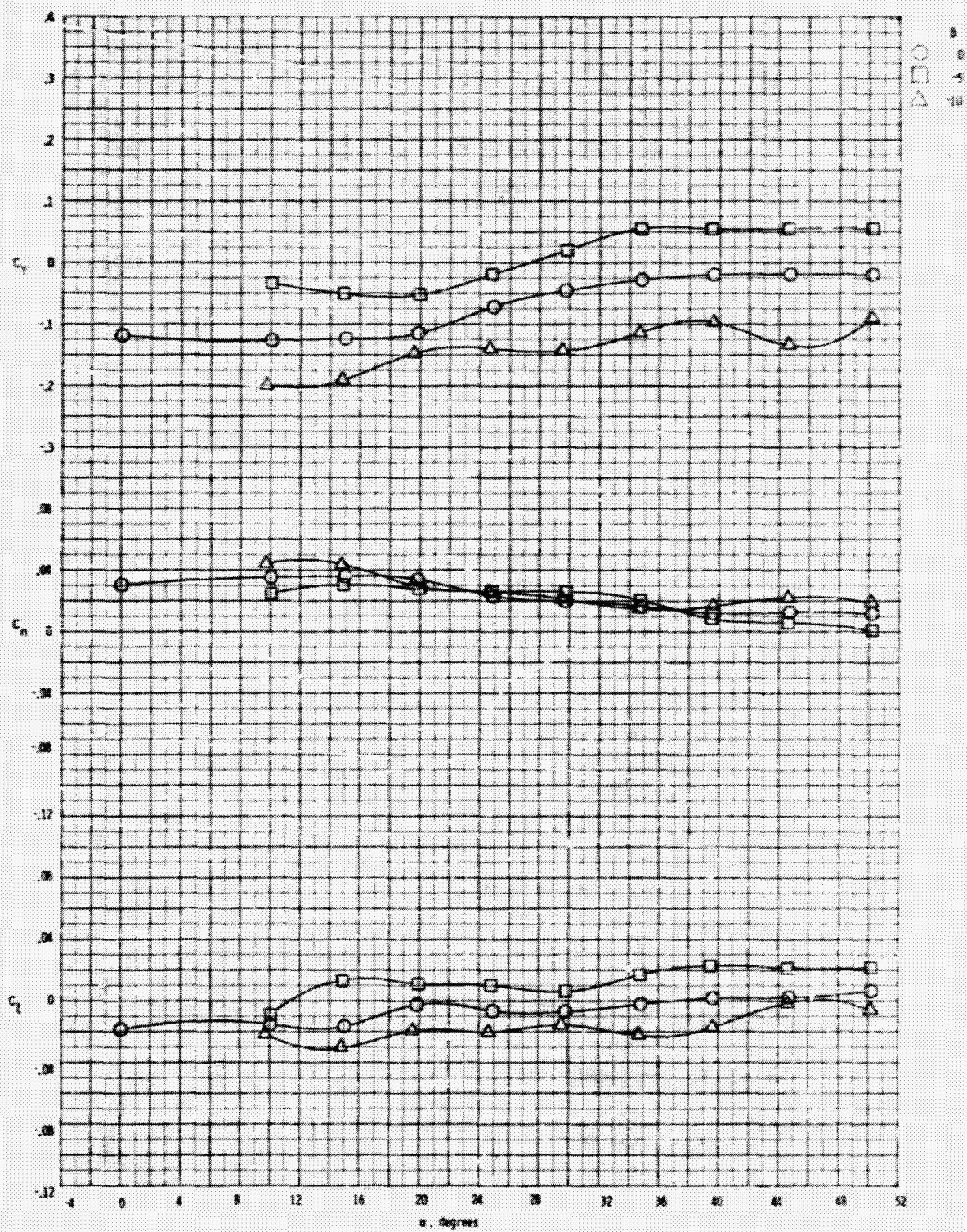


Figure 30. The effect of sideslip. $\delta_{S_p} = -10^\circ$, $\delta_{S_l} = -20^\circ$, $\delta_h = -15^\circ$, $\delta_a = 5^\circ$, $\delta_r = -30^\circ$, $\delta_{\text{slat}} = 5.5^\circ$, $\delta_f = 10^\circ$.

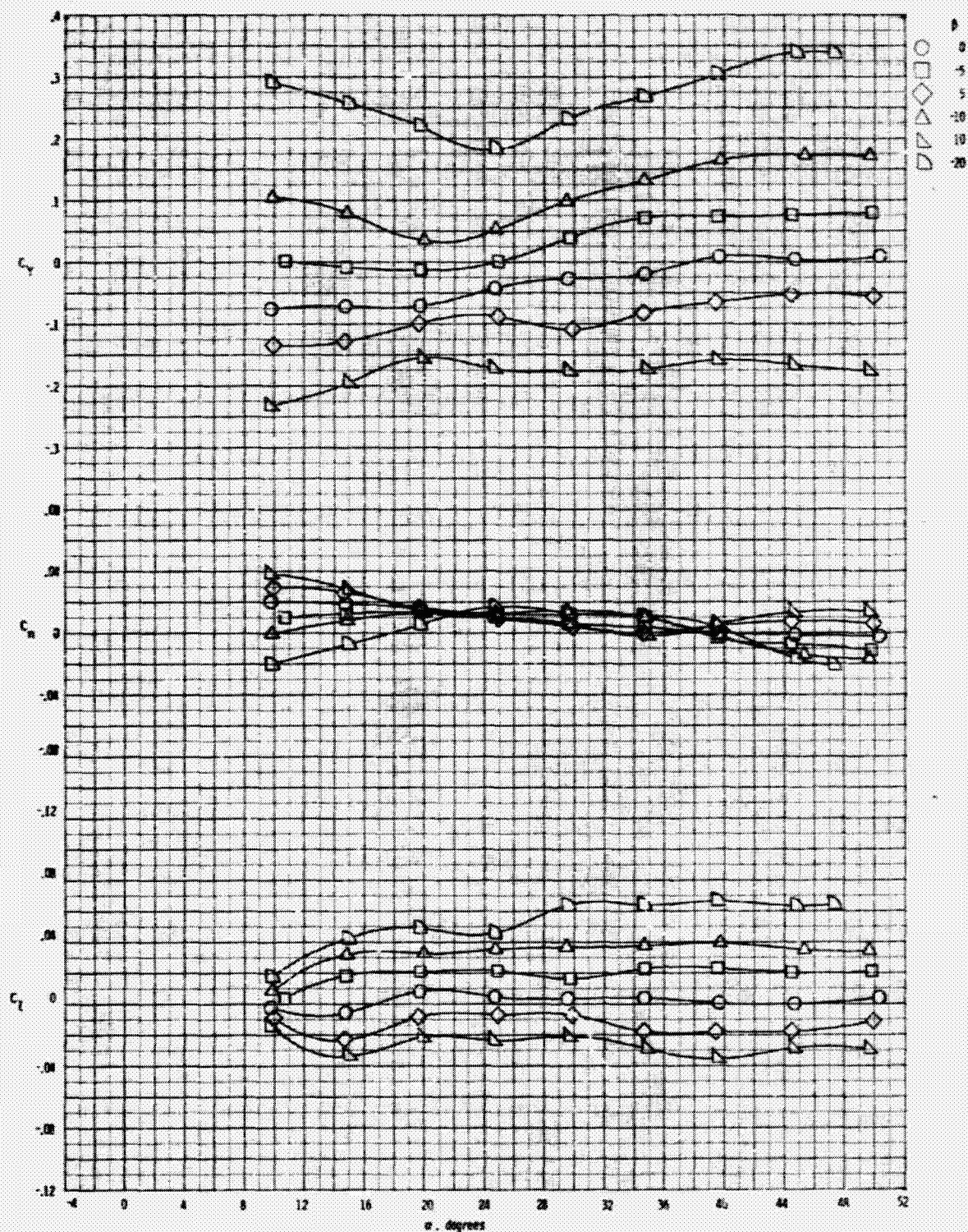


Figure 39. The effect of sideslip. $\delta_{S_R} = -15^\circ$, $\delta_{S_L} = -15^\circ$, $\delta_h = -15^\circ$, $\delta_s = 0^\circ$, $\delta_r = -15^\circ$, $\delta_{slat} = 8.5^\circ$, $\delta_f = 10^\circ$.

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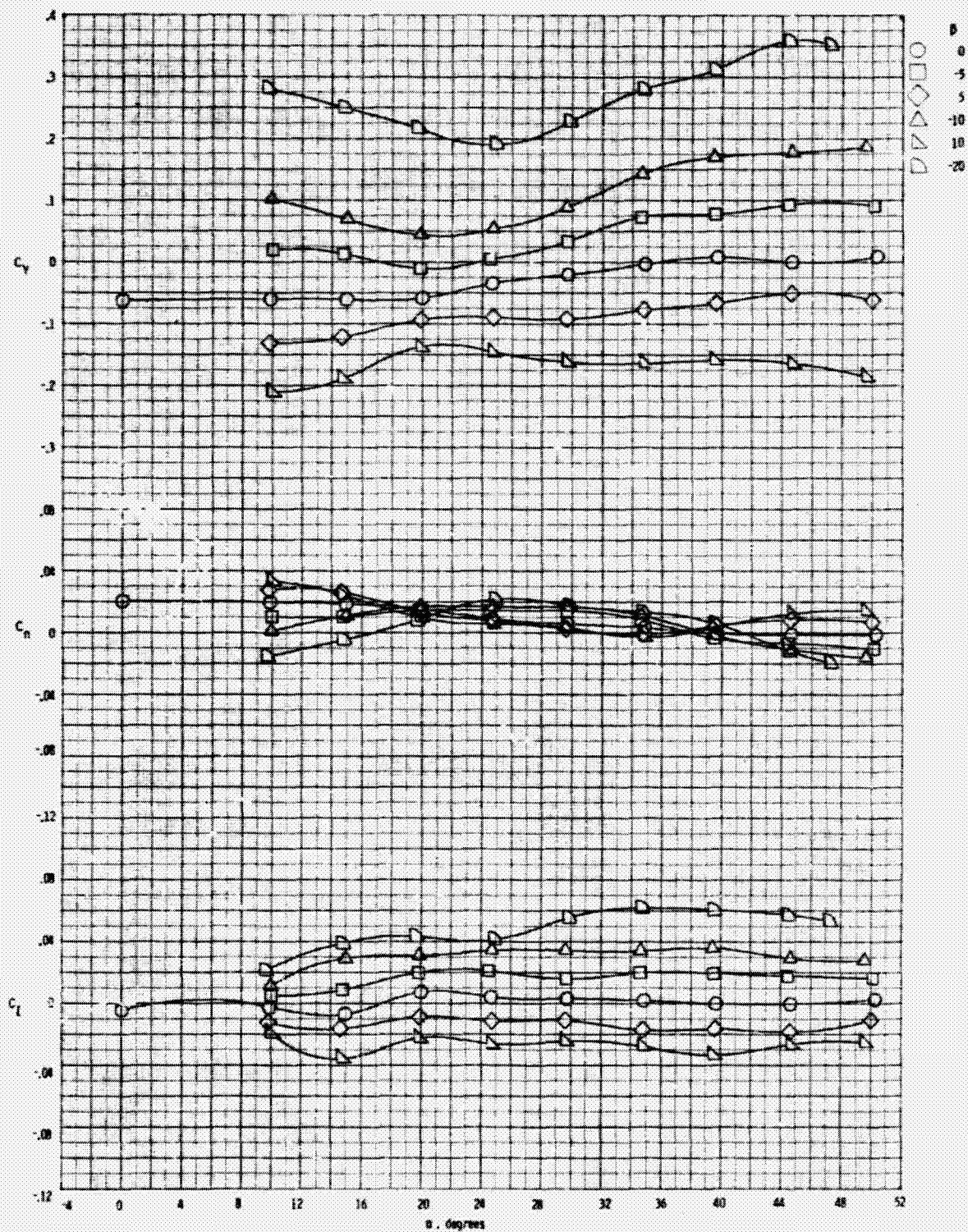


Figure 40. The effect of sideslip. $\delta_{S_R} = -30^\circ$, $\delta_{S_L} = -30^\circ$, $\delta_R = -30^\circ$, $\delta_a = 0^\circ$, $\delta_r = -15^\circ$, $\delta_{stab} = 8.5^\circ$, $\delta_f = 10^\circ$.

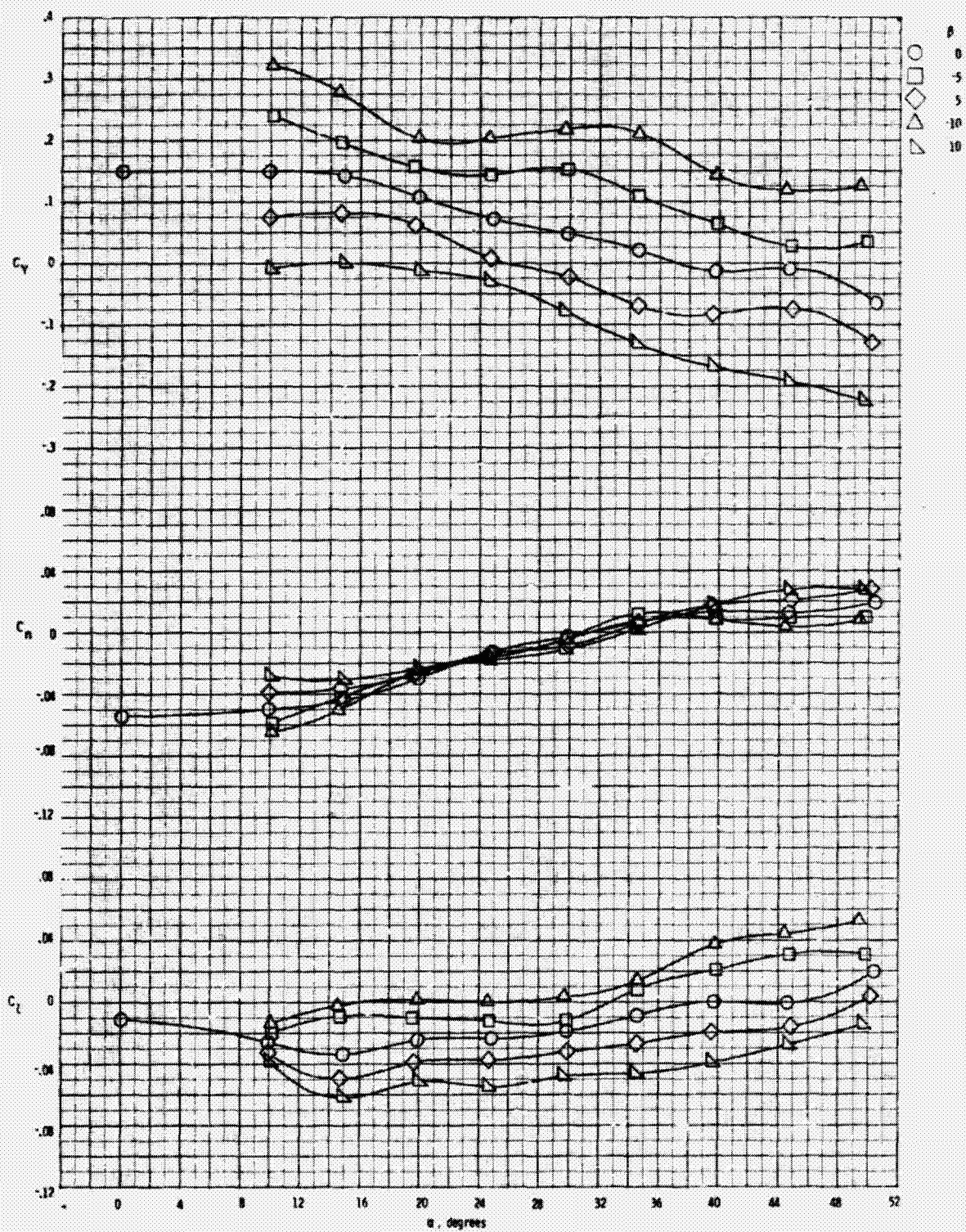


Figure 41. The effect of sloeslip. $\delta_{s_R} = -5^\circ$, $\delta_{s_L} = -25^\circ$, $\delta_h = -15^\circ$, $\delta_a = 10^\circ$, $\delta_r = 30^\circ$, $\delta_{slat} = 8.5^\circ$, $\delta_f = 10^\circ$.

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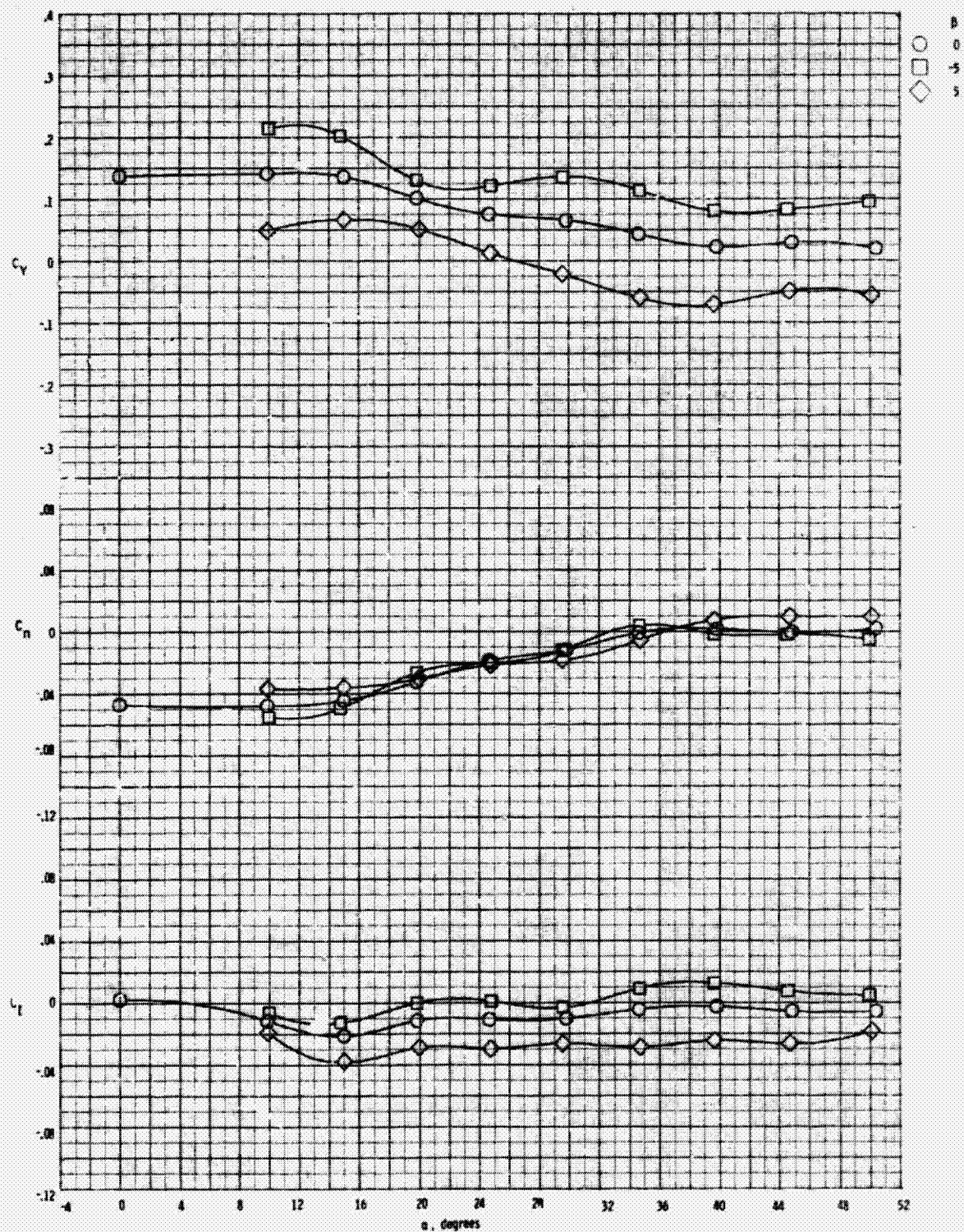


Figure 42. The effect of sideslip. $\delta_{S_R} = -20^\circ$, $\delta_{S_L} = -30^\circ$, $\delta_h = -25^\circ$, $\delta_a = 5^\circ$, $\delta_r = 30^\circ$, $\delta_{\text{slot}} = 8.5^\circ$, $\delta_f = 10^\circ$.

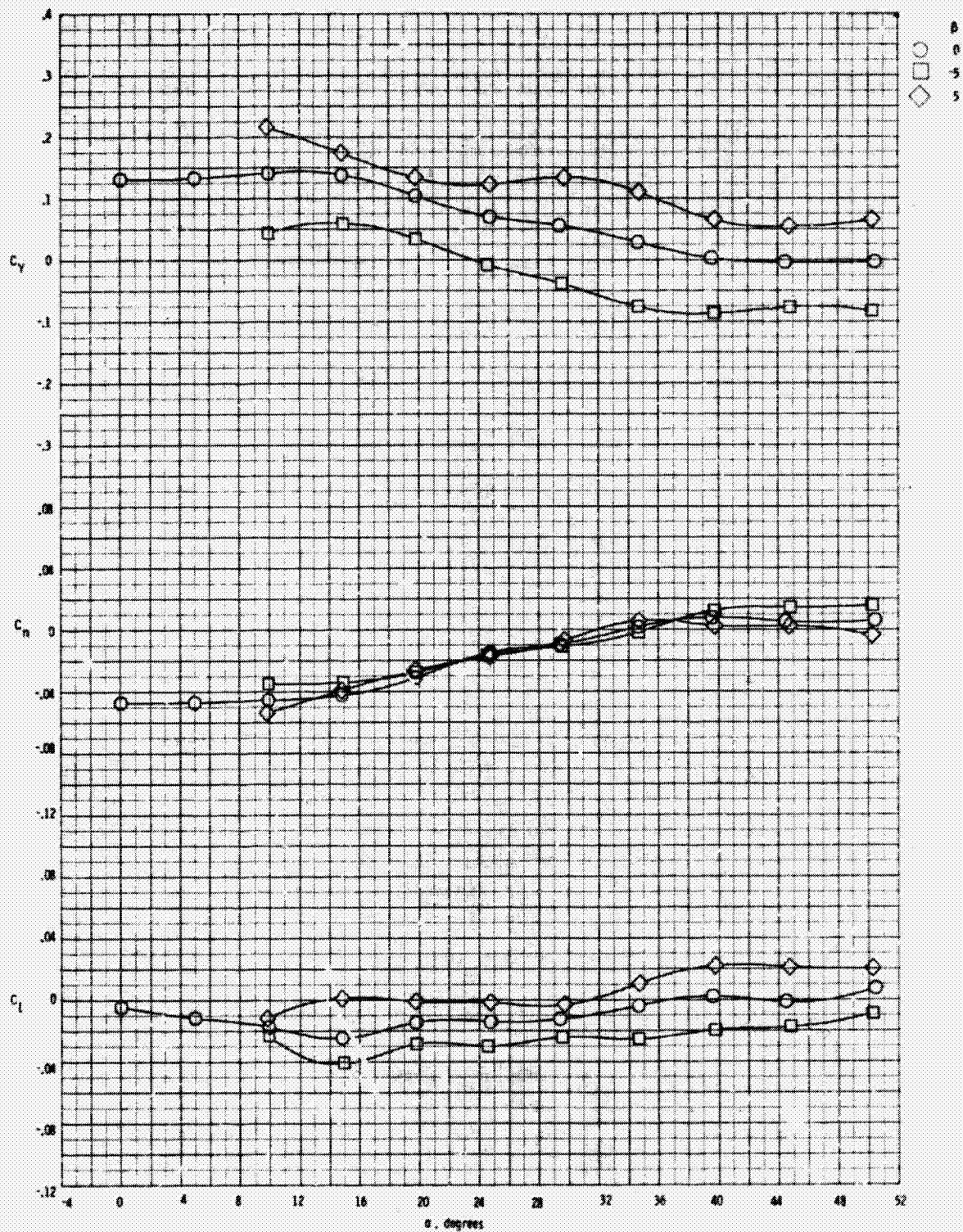


Figure 43. The effect of sideslip. $\omega_{SR} = -10^\circ$, $\delta_{SL} = -20^\circ$, $\delta_n = -15^\circ$, $\delta_a = 5^\circ$, $\delta_r = 30^\circ$, $\delta_{stat} = 8.5^\circ$, $\delta_l = 10^\circ$.

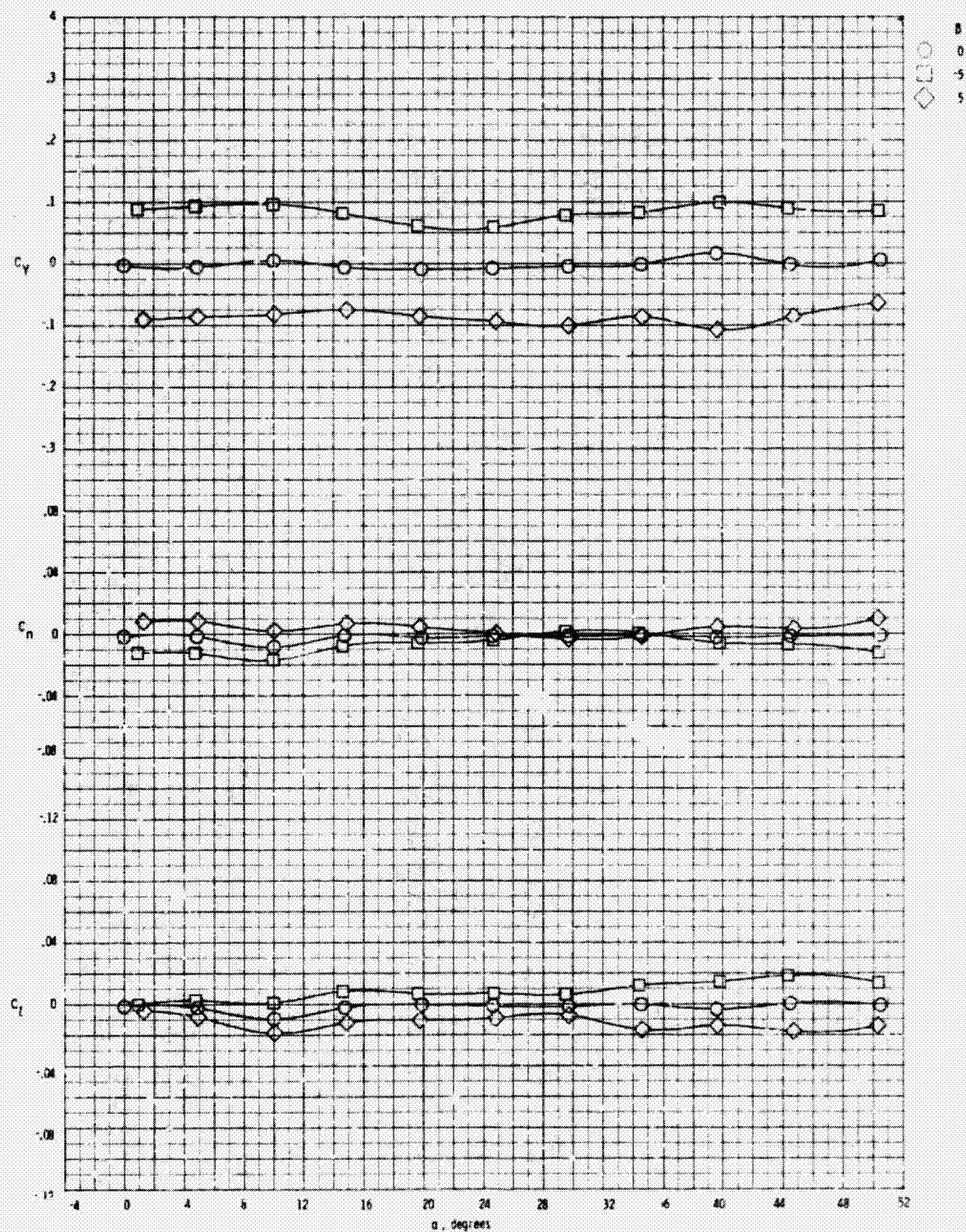


Figure 44. The effect of sideslip. $\delta_{S_R} = 0^\circ$, $\delta_{S_L} = 0^\circ$, $\delta_H = 0^\circ$, $\delta_a = 0^\circ$, $\delta_r = 0^\circ$, $\delta_{\text{slat}} = 0^\circ$, $\delta_f = 0^\circ$.

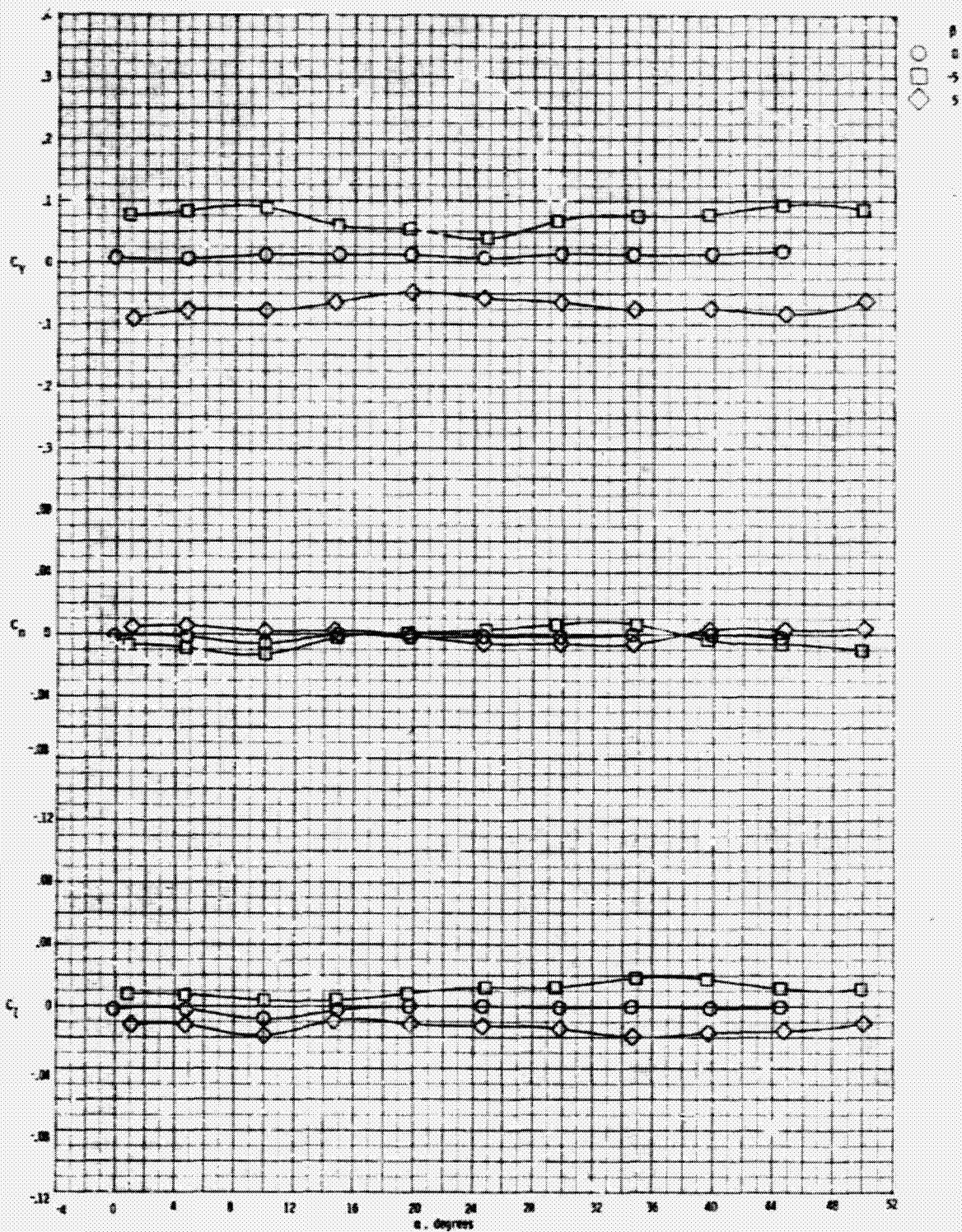


Figure 45. The effect of side slip. $\delta_{S_R} = -30^\circ$, $\delta_{S_L} = -30^\circ$, $\delta_h = -30^\circ$, $\delta_a = 0^\circ$, $\delta_r = 0^\circ$, $\delta_{\text{lat}} = 0^\circ$, $\delta_f = 0^\circ$.

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1. Report No. NASA TM 74050		2. Government Accession No.		3. Recipient's Catalog No.	
4. Title and Subtitle SUBSONIC LONGITUDINAL AND LATERAL DIRECTIONAL STATIC STABILITY CHARACTERISTICS OF A VARIABLE SWEEP FIGHTER CONFIGURATION EMPLOYING VARIOUS CONTROL SURFACE DEFLECTIONS AT ANGLES OF ATTACK OF 0° TO 50° AND LARGE SIDESLIP ANGLES				5. Report Date October 1977	
				6. Performing Organization Code	
7. Author(s) Jarrett K. Huffman, Charles H. Fox, Jr., and Sue B. Grafton				8. Performing Organization Report No.	
9. Performing Organization Name and Address Langley Research Center Hampton, VA 23665				10. Work Unit No.	
				11. Contract or Grant No.	
12. Sponsoring Agency Name and Address National Aeronautics and Space Administration Washington, DC 20546				13. Type of Report and Period Covered Technical Memorandum	
				14. Sponsoring Agency Code	
15. Supplementary Notes					
16. Abstract A variable sweep fighter configuration with the wing in the 22° sweep position having leading-edge slats and trailing-edge flaps on the outboard panels was tested at a Mach number of 0.15. The angle of attack range was 0° to 50° and the sideslip angle range was -20° to 20°. Pitch, roll, and yaw control effectiveness were studied as well as the effects of spoilers. The data are presented without analysis in order to expedite publication.					
17. Key Words (Suggested by Author(s)) Stability and control			18. Distribution Statement Star Category - 02 Unclassified - Unlimited		
19. Security Classif. (of this report) Unclassified	20. Security Classif. (of this page) Unclassified	21. No. of Pages 243	22. Price* \$8.00		